

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Deakin Distinguished Professor Svetha Venkatesh



Svetha Venkatesh is a [Deakin Distinguished Professor](#) and Co-Director of [Applied Artificial Intelligence Institute \(A2I2\)](#) at Deakin University. She is ranked 3rd in the world for Bayesian optimization and is among the Top 15 Women in AI globally.

Professor Venkatesh was elected a Fellow of the International Association of Pattern Recognition in 2004 for contributions to the formulation and extraction of semantics in multimedia data, a Fellow of the Australian Academy of Technological Sciences and Engineering in 2006, and a Fellow of the Australian Academy of Science in 2021 for ground-breaking research and contributions that have had clear impact.

In 2017, Professor Venkatesh was appointed an [ARC Australian Laureate Fellow](#), the highest individual award the Australian Research Council can bestow.

Education

- PhD in Computer Science
 - University of Western Australia
- MTech in Electrical Engineering
 - Indian Institute of Technology, New Delhi, India
- BTech in Electronics and Telecommunications
 - Indian Institute of Technology, Roorkee, India

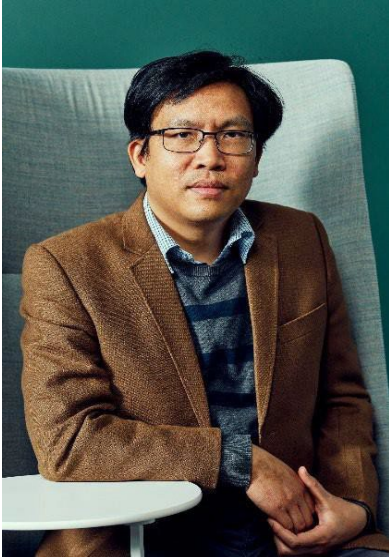
[Full profile for Professor Svetha Venkatesh](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Professor Truyen Tran



Truyen Tran is a Professor at [Deakin University](#), Australia and is the Head of AI, Health and Science at the [Applied Artificial Intelligence Institute \(A2I2\)](#).

Prof Tran works on developing competent and human-compatible AI through advanced machine learning. The areas of focus include deep learning, machine reasoning, unifying language and vision, cognitive architectures, and social AI. He also helps push the transformation of science, healthcare, and engineering through AI. These include efficient exploration of molecular space, acceleration of drug discovery, materials characterisation, battery design and optimisation, and automation of software engineering.

As Head of AI, Health, and Science, he is helping to revolutionise fields such as science, healthcare, and engineering by using AI. Prof Tran has been recognised and awarded multiple times internationally for his significant research contributions.

Education

- PhD in Computer Science
 - Curtin University, Australia
- Postgrad Diploma in Computer Science
 - Curtin University, Australia
- Bachelor in Computer Science
 - The University of Melbourne, Australia

Research interests

- Foundation models
- Deep learning
- Machine reasoning
- Artificial social intelligence
- Multimodal machine learning
- AI for Health
- AI for Science

[Full profile for Professor Truyen Tran](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



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Professor Sunil Gupta



Sunil Gupta is a Professor at [Deakin University](#), Australia and is the Head of AI, Optimization and Materials Discovery at the [Applied Artificial Intelligence Institute \(A2I2\)](#).

His research interests lie in broad areas of machine learning and artificial intelligence, including Bayesian optimization, deep learning, active learning, transfer learning, reinforcement learning, healthcare data analytics, computer vision, AI safety and assurance, Adaptive Clinical Trials, and AI-driven materials design and discovery.

His work has found applications in various domains including text understanding, healthcare, multimedia, computer vision, and advanced manufacturing.

Education

- PhD in Computer Science
 - Curtin University, Western Australia
- ME in Signal Processing
 - Indian Institute of Science, Bangalore, India
- BTech in Electronics and Communication Engineering
 - Harcourt Butler Technical Institute, Kanpur, India

[Full profile for Professor Sunil Gupta](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute

Associate Professor Santu Rana



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Santu Rana is an Associate Professor at [Deakin University](#), Australia and is the Head of AI and Robotics at the [Applied Artificial Intelligence Institute \(A2I2\)](#).

A/Prof Rana's work is focused on improving human-AI collaboration, developing robots and tools that can operate side-by-side with humans.

Using computer vision, pattern recognition, machine learning, and Bayesian optimization, A/Prof Rana is working on research projects including the ARC Research Hub for Digital Enhanced Living, a generic framework for verifying machine learning algorithms, optimizing treatments in mental health using AI, as well as work in algorithmic assurance and accelerating the design of new industrial alloys.

His work has found applications in robotics, healthcare, defence and advanced manufacturing.

Education

- PhD in Computer Vision
 - Curtin University
- MEng in System Science and Automation
 - Indian Institute of Science (IISc)
- BEng in Electrical Engineering
 - Jadavpur University

[Full profile for Associate Professor Santu Rana](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute

Associate Professor Shannon Ryan



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Shannon Ryan is an Associate Professor at [Deakin University](#), and is the Head of Defence and Space research at the [Applied Artificial Intelligence Institute \(A2I2\)](#) within Deakin University, Australia.

A/Prof Ryan has extensive experience in industry and international research organisations, including the Fraunhofer Society (Germany), NASA (USA), Defence Science and Technology Group (Australia), and Army Research Laboratory (USA). He is a globally recognised leader in hypervelocity impact, space debris, and terminal ballistics.

A/Prof Ryan's research is focused on the development of AI and ML approaches for solving complex engineering problems, including prediction and system optimisation. His work has found applications in space, defence, and material domains.

Education

- PhD In Aerospace Engineering.
- RMIT University
- Bachelor of Aerospace Engineering (Hons 1st class)
- RMIT University

Research Interests

- Bayesian optimisation
- Physics-informed machine learning
- Human-machine teaming for engineering design

[Full profile for Associate Professor Shannon Ryan](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Thin Nguyen



Thin Nguyen is a Senior Research Lecturer at the [Applied Artificial Intelligence Institute \(A2I2\)](#) within [Deakin University](#), Australia. He is also a Research Fellow and holds an honorary position at the [Black Dog Institute](#), Australia.

As a devoted researcher in the field of causal artificial intelligence, Dr Nguyen is passionately dedicated to advancing this area, recognizing its pivotal role in shaping the world of machine learning and intelligent decision-making. His journey commenced with a profound fascination for the fundamental concept of cause and effect, driving him to bridge the gap between correlation and causation. He envisions a future where AI not only predicts outcomes but deeply comprehends the underlying causal mechanisms behind them.

His goals encompass pioneering techniques within causal AI, seamless integration of causal inference into machine learning, and the infusion of ethical principles into the domain of causal AI, all with a focus on promoting fairness, accountability, and transparency, especially within high-stakes applications.

Education

- PhD in Computer Science
 - Curtin University, Australia
- MSc in Computer Science
 - Vietnam National University, Viet Nam
- BSc in Computer Science
 - Hanoi University of Technology, Viet Nam

Research Interests

- Causal discovery
- Causal inference

[Full profile for Dr Thin Nguyen](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Thao Minh Le



Thao Minh Le is a Research Fellow at the [Applied Artificial Intelligence Institute \(A2I2\)](#), [Deakin University](#), Australia.

His research primarily revolves around machine visual understanding, with a particular emphasis on the intersection of vision and language comprehension. Thao's work extends to the practical applications of computer vision in domains such as security and healthcare services.

Thao is actively engaged in research projects that employ deep learning techniques to address the challenges in enhancing machines' comprehension of visual content in images and videos and their corresponding textual descriptions. His research portfolio also encompasses human behavior modeling and visual-based human-computer interaction, with the overarching goal of enabling seamless collaborations between humans and intelligent agents.

Education

- PhD in Computer Science
 - Deakin University, Australia
- M.Eng. in Computer Science
 - Tokyo Institute of Technology, Japan
- B.Eng. in Electronics and Communication Engineering
 - Hanoi University of Science and Technology, Vietnam

Research Interests

- Deep learning
- Machine neural reasoning
- Unified visual language understanding
- Human activity recognition
- Human-computer interaction
- Visual analysis for healthcare

[Full profile for Dr Thao Minh Le](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Hung Le



Hung Le is a Research Lecturer at the [Applied Artificial Intelligence Institute \(A2I2\)](#) within [Deakin University](#), Australia.

As a senior member of A2I2, he works on various topics in machine learning, deep learning, and artificial memory. Specifically, Hung is keen to invent new deep models with access to artificial neural memory and has created a body of work in advancing this area including multi-modal and generative memory, theoretical foundation for memory operations, general-purpose neural computers, and memory-based reinforcement learning agents. Applications include health, dialogue systems, reinforcement learning, machine reasoning, and natural language processing.

He publishes regularly in top ML/RL/AI venues such as ICLR, NeurIPS, ICML, TMLR, AAAI, KDD, ECCV, NAACL, and AAMAS.

Education

- PhD in Computer Science
 - Deakin University, Australia
- BEng in Information Technology (Honours)
 - Hanoi University of Science and Technology, Vietnam

Research interests

- Deep Learning
 - Memory-augmented Neural Network Architectures
 - Theory on Memory Operations and Capability of Large Language Model
 - Efficient Large Language Model Training and Inference
- Reinforcement Learning
 - Reinforced Time-series Forecasting
 - Causal Reinforcement Learning
 - Reinforced Large Language Model'
 - Sample Efficient Memory-based Agents

[Full profile for Dr Hung Le](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Duc Kien Do



Kien Do is a Research Fellow at the [Applied Artificial Intelligence Institute \(A2I2\), Deakin University](#), Australia.

Kien completed his undergraduate studies in computer science at UET, VNU Hanoi, in 2014, achieving high distinction. In 2016, he embarked on his doctoral journey at A2I2, Deakin University, supported by a postgraduate research scholarship, and successfully earned his Ph.D. in early 2020. His doctoral thesis focused on energy-based models and representation learning for graph-structured data.

Dr Do's research interests span generative models, representation learning, adversarial learning, and variational/causal inference. He dedicates his efforts to both the theoretical foundations and practical applications of these domains. His overarching goal is to develop versatile AI systems capable of acquiring semantic understanding from extensive unlabeled data and demonstrating robust generalization across novel, uncharted domains.

He has published many papers on these topics in top-tier international conferences such as ICLR, NeurIPS, AAAI, ICCV, ECCV, ... Currently, he is leading a small research group on generative models (e.g., Diffusion Models) and large models for both vision and text (e.g., CLIP) where he and his students investigate and develop the theory behind these models and their vast applications to downstream reasoning tasks.

Education

- PhD in Deep Learning
 - Deakin University, Australia
- BSc in Computer Science
 - University of Engineering and Technology (UET), Hanoi, Vietnam

Research interests

- Generative models
- Representation Learning
- Adversarial Learning
- Variational and Causal Inference
- Large Vision-Language Models

[Full profile for Dr Kien Do](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Alistair Shilton



Alistair Shilton is a Research Fellow at the [Applied Artificial Intelligence Institute \(A2I2\)](#), within [Deakin University](#), Australia.

Dr Shilton's research interests are loosely focused on kernel methods and their applications in Bayesian optimization and associated fields such as transfer learning, Human-AI teaming, physics-informed learning, and applications in manufacturing and experimental design.

At A2I2 he has worked on techniques with applications in diverse fields from AI-driven material design, manufacturing process optimization and human-AI collaborative experimental design. His recent works have also delved into the theoretical underpinnings of deep networks, exploring connections between these and the rich mathematics of reproducing kernel Banach spaces.

Education

- PhD Degree
 - The University of Melbourne, Australia
- Bachelor in Science/ Engineering (Elec)
 - The University of Melbourne, Australia

Research interests

- Bayesian Optimization
- Kernel Methods
- Physics Informed Optimization
- Human-AI Teaming
- Deep learning

[Full profile for Dr Alistair Shilton](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



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Dr Arun Kumar Anjanapura Venkatesh



Dr Arun Kumar is an Associate Research Fellow at the [Applied Artificial Intelligence Institute \(A2I2\)](#), [Deakin University](#), Australia.

Arun's research work focuses on Human-AI collaborative optimization platforms that govern how AI can form a collaborative team with expert scientists and engineers to quicken the discovery of new knowledge, products, and processes. Such Human-AI collaborations improve the decision-making ability by supplementing the speed and quantitative abilities of AI with the abstraction and reasoning abilities of experts.

He is engaged with interesting research projects that aim at improving the performance of Bayesian optimisation through a set of innovations in kernel/model design to incorporate domain expert knowledge in the optimisation process. Arun is investigating ways to conceptualise Human-AI partnerships in the quest to discover the next-generation, high-capacity battery designs for an electric vehicle that can bring much-needed decarbonisation of the transportation sector.

Arun is currently developing Bayesian algorithms to hasten the discovery of novel designs for the critical components of novel designs for the critical components of a battery that can significantly improve its electrochemical performance.

Education

- PhD in Machine Learning
 - Applied Artificial Intelligence Institute (A2I2), Deakin University
- Bachelor of Engineering in Computer Science
 - Dr. Ambedkar Institute of Technology, Visvesvaraya Technological University

Research interests

- Machine Learning
- Kernel Methods – Gaussian Process
- Sample-efficient Bayesian Optimization
- Reinforcement Learning

[Full profile for Dr Arun Kumar Venkatesh](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute

Dr Phuoc Nguyen



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Phuoc Nguyen is a Research Fellow at the [Applied Artificial Intelligence Institute \(A2I2\)](#), within [Deakin University](#), Australia.

Dr Nguyen's research interests are focused on causality and graphical causal models, Bayesian deep learning, and their applications in causal discovery, inference, and root cause analysis. He has effectively applied his methods across diverse domains, such as network systems, data streaming, deep network compression, experimental designs, material discoveries, healthcare, medical records, time series analysis, and reinforcement learning.

He is currently developing methods for scalable applications of causality in those areas as well as emerging problems arising from the real world.

Education

- PhD in Information Science
 - University of Canberra, Canberra, Australia
- MSc in Information Science
 - University of Canberra, Canberra, Australia
- BSc in IT
 - University of Education, Ho Chi Minh city, Viet Nam

Research interests

- Causality and graphical causal models.
- Bayesian deep learning.

[Full profile for Dr Phuoc Nguyen](#)

Supervisor Profiles

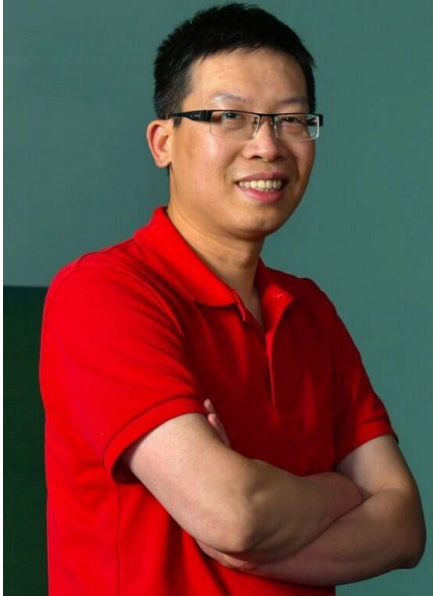
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Dr Dang Nguyen



Dang Nguyen is a Research Lecturer at the [Applied Artificial Intelligence Institute \(A2I2\)](#), within [Deakin University](#), Australia.

Dr Nguyen's research focuses on data mining and machine learning, with a particular emphasis on Bayesian optimization, knowledge distillation, and the analysis of tabular data. Additionally, he actively contributes to various industrial projects within the healthcare and defence sectors.

Education

- PhD in Data Science, 2015 – 2018
 - Deakin University, Geelong, Australia
- MSc in Computer Science, 2006 – 2009
 - University of Information Technology (Vietnam National University), HCMC, Vietnam
- BSc in Mathematics and Computer Science, 2001 – 2005
 - University of Science (Vietnam National University), HCMC, Vietnam

Research interests

- Knowledge Distillation
- Generative Models for Tabular Data
- Bayesian Optimization
- Data Mining
- Machine Learning

[Full profile for Dr Dang Nguyen](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Dung Nguyen



Dung Nguyen is an Alfred Deakin Postdoctoral Research Fellow at the [Applied Artificial Intelligence Institute \(A2I2\)](#), within [Deakin University](#), Australia.

Dr Nguyen gained his Bachelor's degree in Control and Automation Engineering from Hanoi University of Science and Technology, Vietnam, in 2015. Following his undergraduate studies, he pursued a Master's degree in Computer Science at Ulsan National Institute of Science and Technology, Korea, graduating in 2018. Continuing his academic journey, he completed his PhD in Applied Artificial Intelligence at the Institute (A2I2) at Deakin University, Australia, in 2022.

Dr Nguyen's recent work is toward building social artificial agents and cooperative AI, and his research interests include modelling other agents, artificial theory of mind, cooperation, and deep multi-agent reinforcement learning.

Education

- PhD in Computer Science
 - Applied Artificial Intelligence Institute (A2I2), Deakin University, Australia.
- Master in Computer Science
 - Ulsan National Institute of Science and Technology (UNIST), Ulsan, Korea.
- Bachelor in Control and Automation Engineering
 - School of Electrical Engineering, Hanoi University of Science and Technology (HUST), Hanoi, Vietnam.

Research interests

- Modelling other agents
- Artificial theory of mind
- Cooperation
- Deep multi-agent reinforcement learning

[Full profile for Dr Dung Nguyen](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Professor Mohamed Abdelrazek



Mohamed Abdelrazek is Professor of Software Engineering at the [Applied Artificial Intelligence Institute \(A2I2\)](#) within [Deakin University](#), Australia.

Mohamed has more than 22 years of software industry, research, and teaching experience. Before joining Deakin University in 2015, Mohamed worked as a senior research fellow at Swinburne University of Technology and Swinburne-NICTA software innovation lab (SSIL). Mohamed moved to Australia in 2010 to do his PhD in cloud computing security. Before that, Mohamed was the head of software development department at Microtech, a large software house, managing large-scale products/projects and managing a team of more than 40 people including business analysts, designers, software engineers, and quality assurance engineers. Mohamed has deep experience in designing, developing, integrating, and managing large-scale software systems including military process automation, ERP, and CRM systems.

Mohamed is an active researcher in automated software engineering, cloud computing security, formal methods, high-performance computing, IoT, and data science. He has numerous research articles published in top-ranked international journals and conferences.

Education

- PhD in Software Engineering
 - Swinburne University, Australia
- MSc in Computer Science
 - Ain Shams University, Egypt
- BSc in Computer Science
 - Ain Shams University, Egypt

Research interests

- Engineering AI-powered software systems
- Reinforcement Learning and Adaptive Systems
- Representation Learning

[Full profile for Professor Mohamed Abdelrazek](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Professor Rajesh Vasa



Rajesh Vasa is a Professor at [Deakin University](#), Australia and is the Head of Translational R&D at the [Applied Artificial Intelligence Institute \(A2I2\)](#).

Prof Vasa holds the Chair in Software and Technology Innovation and leads the applied R&D efforts on multiple industry sponsored research projects. He has over two decades of experience spanning both industry and academia, specialising in applied artificial intelligence and complex software systems design.

Prof Vasa's career spans roles in technology engineering, operations, and executive leadership with an international work profile. Recent work includes building intelligent homes for aged care, reducing traffic congestion, decision support systems for clinical use, and improving education using AI and game technology.

Prof Vasa is also an entrepreneur with multiple successful start-ups and spinouts from his research work. He received the Vice-Chancellor's Award for Outstanding Contribution to Partnership in 2017. Prof Vasa has over \$12 million in grants as a Chief Investigator (CI), developed and taught 20 different units, and developed both, including undergraduate and postgraduate courses that have received full accreditation.

Prof Vasa has supervised nine doctoral students to completion (Five graduates hold research focused positions at Australian Universities; two hold positions in Malaysia and two work in industry). He has also taken on various roles such as Editor, Associate Editor, Chair, and Judge at various conferences and industry competitions. Additionally, he has examined numerous Masters and PhD theses, as well as competitive research grant applications.

Education

- PhD in Software Engineering
 - Swinburne University, Australia
- BAppSc in Computer Science & Software Engineering
 - Swinburne University, Australia

Research interests

- Complex Systems
- Software Evolution
- Automated Software Engineering
- Translational Research Processes

[Full profile for Professor Rajesh Vasa](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Srikanth Thudumu



Srikanth Thudumu is a Senior Research Fellow at the [Applied Artificial Intelligence Institute \(A2I2\)](#) within [Deakin University](#), Australia.

His expertise is centered on translational AI research, which revolves around the practical application of cutting-edge AI advancements to address real-world challenges, particularly in the realm of identifying unknown or imperceptible anomalies. Armed with a PhD in AI, Dr. Thudumu excels in the art of detecting anomalies within high-dimensional big data. His research interests encompass Anomaly Detection, Big Dimensionality, Deep Reinforcement Learning (DRL), Object Tracking, Operationalising ML, and Translational/Applied AI.

One of Dr. Thudumu's remarkable achievements involves leading the successful commercial deployment of an AI-powered, mind-controlled autonomous wheelchair. He has also demonstrated his prowess in securing several prestigious research grants, including support from the Defence Science Technology Group (DSTG) in Australia. Furthermore, he has taken charge of pivotal projects, including the development of a Context-aware Search Engine and the creation of an AI platform tailored for merchandise image processing.

Education

- PhD in Artificial Intelligence
 - Swinburne University, Australia
- MTech in Computer Science
 - Jawaharlal Nehru Technological University, India
- BTech in Electronics and Computer Science Engineering
 - Acharya Nagarjuna University, India

Research interests

- Anomaly Detection
- Deep Reinforcement Learning
- Object Detection and Object Tracking
- Operationalising AI/ML
- Translational AI Research

[Full profile for Dr Srikanth Thudumu](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Rena Logothetis



Rena Logothetis is a Senior Research Fellow at [Deakin University](#) and leads the Digital Health Research Group at the [Applied Artificial Intelligence Institute \(A2I2\)](#), Australia.

Dr Logothetis's research focus is in applying AI in real-world settings to work in parallel with health professionals to improve clinical practices. She works closely with health professionals to understand the challenges they face and collaboratively seeks to discover feasible solutions. Areas of interest include (Clinical) Decision Support Systems, Triage Systems, Early Warning Systems, Intervention Systems, Anomaly Detection Systems, and Recommendation Systems. She has applied her research in the detection and prevention of falls, trauma care, emergency and aged care.

Dr Logothetis was a successful recipient of a CRC-P grant valued at \$9.3 million. She has obtained a total research income of over \$2m. She has over 10 Industry collaboration partners in Australia and multiple international research collaborations in Europe.

Notable industry research projects include:

- PiMS (Pandemic intervention Monitoring System): A triaging system to remotely monitor COVID positive patients used in Australia, India and USA (commercial product VMS).
- Smart Home: A smart home to detect the well-being of elderly using anomaly detection techniques.
- Paramedique: A recommendation system for prehospital notifications to improve data quality and reduce processing time.

Education

- PhD in Engineering
 - Deakin University, Australia
- Bachelor of Electronic Engineering & Bachelor of Computer Science
 - La Trobe University, Australia

Research interests

- (Clinical) Decision Support Systems
- Triage Systems
- Early Warning Systems
- Intervention Systems
- Anomaly Detection Systems
- Recommendation Systems

[Full profile for Dr Rena Logothetis](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Scott Barnett



Scott Barnett is a Senior Research Fellow and Deputy Head, Translational Research and Commercialisation at the [Applied Artificial Intelligence Institute \(A2I2\)](#), within [Deakin University](#), Australia.

His research interests relate to Software Engineering for AI (SE4AI) with a focus on robustness and self-adaptation. Recent work has focused on issues of robustness with generative AI-based applications including retrieval augmented generation (RAG) systems.

His work focuses on industry-relevant problems informing the design and architecture of software systems prototyped at A2I2. Applications of his work are found in healthcare, manufacturing, telecommunications, finance, and education.

Education

- PhD in Computer Science
 - Swinburne University of Technology
- Bach Eng/ Bach Science Robotics & Mechatronics/ Computer Science and Software Engineering (First Class Honors)
 - Swinburne University of Technology

Research interests

- SE4AI
- Evidence Based Software Engineering
- Robustness
- Self-Adaptation

[Full profile for Dr Scott Barnett](#)

Supervisor Profiles

Deakin University's Applied Artificial Intelligence Institute



Dr Zafaryab Rasool



Zafaryab Rasool is an Associate Research Fellow at the [Applied Artificial Intelligence Institute \(A2I2\)](#), [Deakin University](#), Australia.

He is deeply passionate about advancing the field of clustering, which has applications in domains like healthcare and cybersecurity, addressing challenges related to efficiency, robustness, and diverse data types.

Notably, his work on developing an efficient clustering algorithm has been recognised at IEEE Transactions on Knowledge and Data Engineering, and another work on improving the robustness of clustering technique using a data-dependent similarity measure has recently been published in the top-ranked Pattern Recognition journal.

Beyond Clustering, Dr Rasool's interests extend to the dynamic field of Generative AI. Currently, his exploration involves delving into the capabilities and applications of Large Language Models (LLMs). He actively engaged in the evaluation of LLMs for information retrieval tasks and testing of LLM applications. A recent achievement includes the acceptance of his work on 'LLMs for Test Input Generation for Semantic Caches' at CAIN 2024.

Additionally, his current project also includes the development of an AI-assisted smart-health monitoring platform tailored for older patients.

Education

- PhD in Computer Science
 - Swinburne University of Technology
- Master in Computer Application
 - Jamina Millia Islamia
- Bachelor of Science (Hons) – Majors: Physics, Mathematics and Statistics
 - Aligarh Muslim University

Research interests:

- Clustering
- Generative AI (LLM Exploration)
- Similarity measures

[Full profile for Dr Zafaryab Rasool](#)

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