

Title: PhD Scholarships in Machine Learning for students from India

Benefits and Duration

Stipend and Allowances Value

- A stipend of \$28,600 (2021 rate) per annum tax exempt.
- A relocation allowance from \$500 to \$1,500 (for single to family) awarded to students who are moving overseas in order to study at Deakin.
- Single Overseas Student Health Cover policy for the duration of the student visa.

Doctoral Degree Duration

- 3 years for stipend and 4 years for the tuition fees offset

Closing date: when filled

There are 3 fantastic Scholarships available for students from India interested in pursuing a PhD at the Applied Artificial Intelligence Institute (A²I²), under supervision of [A/Prof Santu Rana](#) and [A/Prof Sunil Gupta](#). The successful applicants will join a large and diverse group of students, and work with world-class researchers on some of the most exciting AI problems.

Applicants are residing in India can opt with an option of starting out from India until the opportunity of travel returns. Whilst inside India, the applicants will be hosted at IIT-Hyderabad. Majority of benefits will remain the same, including the level of stipend.

At A²I², our mission is to conduct world-class research in machine learning to push the envelope of what a machine can do and then transform that to technologies that can change people's lives. Our vision is to create a world where smart machines are used to amplify our unique human abilities, not to replace us. No wonder, we are passionate about human-AI teaming, assurance/security of machine learning models, and building machine learning tools for science.

A²I² key members, A/Prof Santu Rana and A/Prof Sunil Gupta, have been in Australia for more than 10 years and have successfully established themselves as leading machine learning researchers in Australia. They have published more than 90 research papers each and have been regularly publishing in top-tier venues such as ICML, NeurIPS, AAAI, AISTATS etc (see their scholar profiles [here](#) and [here](#)). Together, they offer extensive expertise in Bayesian optimisation, Deep learning, Active learning, Bandit optimisation, Active testing of ML models for performance and security, Physics-based reinforcement learning with applications in computer vision, healthcare, advanced manufacturing and Defense sector etc.

Eligibility criteria

- International students from India, currently in Australia or India.
- Qualification: 4-year undergraduate degree or master degree in computer science, machine learning, artificial intelligence, electrical engineering, or similar disciplines.
- Good programming skills.

- A minimum IELTS score of 6.5 (with no band under 6) or a minimum TOEFL iBT score of 70 with minimum writing score of 21. The certificate of English language competency must be provided before commencing the course.

Pre-selection process

All applications will go through a rigorous assessment process (maximum of 3 weeks from receiving the application) and shortlisted applicants will be interviewed.

Successful candidates who receive our conditional offer will be instructed to apply to Deakin University PhD program for formal admission.

How to apply

If you are interested to know more about these PhD positions, please feel free to write to us:

For Bayesian optimisation, Robustness of machine learning models and Physics-based reinforcement learning, please contact A/Prof Santu Rana (santu.rana@deakin.edu.au).

For Bayesian optimisation, Active learning, Bandit optimisation and sample-efficient deep learning including meta-learning, few-shot learning, please contact A/Prof Sunil Gupta (sunil.gupta@deakin.edu.au).

For common topics, joint supervision will be considered.