

Prathyush Prashanth Rao

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EDUCATION

University of Melbourne | July 2019 to Present

Bachelor of Science – Specialization in Data Science (Dept. of Math & Stats)

- Peer Mentor for the Bachelor of Science
- Student Ambassador and Organizer for the Orientation Challenge
- Lead organizer for an incoming freshman event with over 1200 registrations
- Delegation lead – Melbourne Model United Nations Club
- Member of Drones and Robotics Society, Entrepreneurship and growth investment club, Computer Science Society, and Machine Learning Club

Harvard CS 109 | Dec 2020

CS 109: Advanced Topics in Data Science

- Taught by Prof. Pavlos Protopapas from the Institute for Applied Computational Science, Harvard University with Univ.AI
- Hands on experience with topics like CNNs, Saliency maps, SOTAs, Autoencoders, etc.
- Implemented learnt knowledge on a real-life project predicting Hurricane damage using Satellite imagery and various CNN techniques.

EXPERIENCE

Google Developer Student Club – University of Melbourne, Melbourne

President (Lead), July 2020 to Present

- Got over 800 students since the club's inception on Aug 2020 and over 1,500 views on YouTube for all our events.
- The events involved are the Machine Learning Series, Flutter Series, Panel events, Tech talks, and Hackathons and an Open-Source Project Series coming up
- Orchestrated the Machine Learning teaching series - strategized publicity, event handling, and course content ranging from simple Python statements to regression and classification models over the Titanic dataset

Buddy Up Pty Ltd., Melbourne | www.buddyupapp.com

Developer, March 2020 to Nov 2020

- Endorsed by the University of Melbourne, the app aims to partner students who wish to study similar subjects, meet new people, and enhance their student experience.
- Used Flutter and Dart to build and develop using SCRUM and AGILE workflow
- Currently used by over 300 students in beta mode, to be launched to facilitate usage by 1000+ students

Victorian Model United Nations (VicMUN) 2020, Melbourne | www.vicmun.net

Under-Secretary General for Committees, Oct 2019 to Present

- Hosted the Victorian MUN 2020 as part of the head committee
- Adapted several directing styles of debate that suit the committees' agenda and took part in policy making in various committees
- Responsibilities include, allotment, delegate relations, director recruitment, committee management, and hosting various events
- Designed the webpage of VicMUN using Squarespace which receives an average of 9000+ unique views per year

NCSS Challenge Tutor, Melbourne | www.groklearning.com/challenge/

Tutor, July 2020 to Sep 2020

- An Australian-wide challenge for school students to test their skills and knowledge on basic and advanced Python courses on Grok
- As a tutor, I helped students who posted problems by debugging and solving issues with the challenge among 372,000 code submissions, and 39,000 posts to tutors

HONORS/AWARDS

Google Hashcode, Melbourne | Feb 2020

World rank #863, Australian rank #5

- Worldwide coding competition organized by Google in with 70,000 participants
- Solved optimization problems with regards to the logistics, scanning, and signup of libraries around the world with Google Books.

Harvard Model United Nations (HMUN), India

Delegate and Executive Board, June 2016 to Present

- Distinguished researcher and orator at various MUN Conferences across India
- Placed in the top at Harvard Model United Nations and Directed at Monash University MUN and Melbourne MUN
- Part of the Executive Board for various school level MUNs across Bangalore

PROJECTS

Classifying Buildings Post Hurricane Using Satellite Imagery, Bangalore

Project Lead, Dec 2020

- As the course-end project for Harvard CS 109, the team built and presented CNN that achieved an accuracy of 95%+ using various State of the Art architectures

- Used techniques such as deconvolution, saliency maps to assess visual loss, optimization technique, autoencoders, etc to build a robust model

COURSES

Neural Networks and Deep Learning, Coursera

Data Science and Machine Learning, Udemy

TensorFlow Practical Advanced, Udemy