

Aryan Odugoudar

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EDUCATION

- Bachelors of Advanced Computing (Honours)** Canberra, Australia
 - Australian National University;* 2025
 - Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

SKILLS SUMMARY

- Languages:** Python, C++, Haskell, JavaScript, SQL, JAVA, CSS, HTML
- Frameworks:** Scikit, TensorFlow, Keras, Django, Flask, NodeJS, Flutter
- Tools:** Docker, GIT, MySQL, SQLite
- Platforms:** Linux, Web, IOS, Windows, Arduino, Raspberry, GCP, Azure
- Soft Skills:** Leadership, Event Management, Public Speaking, Time Management, Critical thinking

EXPERIENCE

- Teaching Assistant** Remote
 - Nanyang Technological University And AWS* Dec 2022 - April 2023
 - Collaboration with NTU Professors:** Active discussion with NTU faculty to help students visualise machine learning concepts.
 - Collaboration with AWS trainers:** Effectively helped students form ML models.
 - Achievement:** Course had been taken by 40+ students.
- AI developer** Chennai
 - Mellon AI* Aug 2022 - Feb 2023
 - Pre-processing data:** Analysed and optimised the readability of raw data.
 - Machine Learning model:** Compared multiple models and strategised a final model with an accuracy of around 80%.
 - Achievement:** Analyses patients' health information and generates automated diet plans optimising the work time by 40% and providing 78% more accurate results.
- Software Developer Intern** Remote
 - Illuminar* Nov 2022 - Jan 2023
 - Website:** Implemented a modern and responsive design using HTML, CSS, and JavaScript built from scratch to enhance user engagement.
 - Collaboration with Marketing Team:** Curated content to optimise the website for search engine visibility.
 - Achievement:** Boosted time of user interaction with the page, expanding the domain of the website with features such as a contact form and lead capture tools.
- Data Science Intern** Singapore
 - National University of Singapore and HPE* Jun 2022 - Jul 2022
 - Model:** Collaborated with researchers to develop a Deep Learning CNN solution to detect arrhythmia by analysing an ECG dataset.
 - Achievement:** Secured an accuracy of 95%, an improved proposed solution compared to the previous models.

PROJECTS

- Under Water Trash Detection:** Designed an image processing pipeline for identifying and classifying different types of trash underwater. Tech: Python, openCV, Scikit, GitHub, Selenium, TensorFlow
- Suraksha - Police monitoring system (Computer vision, HTML, CSS, JS, and Firebase.):** App & Web-based solution to track police officers on duty using GPS and resolve crowd accidents by 70%.
- Malware Detection using Continual Learning (Python, Scikit, Avalanche):** Researched to create a life-long learning model using class and task incremental learning.
- Student Profile Tracker (HTML, CSS, JS, Flutter, Dart, Django and SQL):** Developed a student profile tracker to track the scores of student across all coding platforms and ranks them based on their scores.

HONORS AND AWARDS

- Ranked 2 among 500+ teams in IEEE's National Level Hackathon (IC Hack 2022).
- Ranked 3 among 500+ teams in Amazon's National Level Hackathon (Alexathon 2018).
- Ranked 1 among 200+ teams in CBSE's State Level Science Exhibition 2018.
- Ranked 30 among 800+ teams in CBSE's National Level Science Exhibition 2018.

VOLUNTEER EXPERIENCE

- Chairman at IEEE RAS** VIT Chennai, India
 - Led 300 students to organise and conduct workshops and hackathons to instil an interest in robotics.*
- Student Coordinator at the technical fest of VIT Chennai** Chennai, India
 - Organised events and coordinated a crowd of over 3000 students.*