

Aryan Odugoudar

COMPUTER SCIENCE STUDENT

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Personal Profile

I am a motivated and detail-oriented computer science student at the Australian National University (ANU) pursuing Bachelor's of Advanced Computing (Honours). I fell in love with Data Science, Machine Learning, Data Structures and Analysis and ever since, I live on the verge of developing things. With a strong foundation in Data Science, Software Development, Algorithms and Problem-Solving I am eager to contribute my skills to a dynamic team in the field of computing.

Skills

Languages: Python, C, C++, Haskell, JavaScript, SQL, JAVA, CSS, HTML, C Sharp, R, PHP, C/C++.
Frameworks: Scikit, TensorFlow, Keras, Django, Flask, Azure, Flutter, DotNet, Linux, Shell, Power Platform, MS Office, Firebase, Git.
Soft Skills Leadership, Critical Thinking, Time Management, Teamwork, Problem-solving, Decision Making, Management.

Education

Australian National University (ANU)

Canberra, AU

Bachelor's of Advanced Computing (Honours)

2025

• **Courses:** Data Science, Data Structures, Algorithm, Statistics, AI, Machine Learning, Deep Learning, Operating Systems, DBMS, Networks.

Work Experience

Data Science Intern

Canberra, AU

ThinkPlace Global

Feb 2024 - Present

- Working as a Data Science Intern to develop LLM models.
- Building a Generative AI based LLM model to write proposals based on the previous data
- Achievements:** Securing an accuracy of 89%, which is higher than the previous models.
- Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, Keras, Tensorflow, Power Virtual Agent, Git.
- Soft Skills:** Teamwork, Time Management, Critical Thinking, Management, Communication, Presentation skills.

Data Science Intern

Bangalore, IN

Meteoros Automation LLP

Dec 2023 - Feb 2024

- Developed a Chatbot and an App to assist the HR department in evaluating the value of certifications.
- Compiled and analysed data on multiple certifications, including information on offering companies, difficulty levels, and reviews.
- Achievements:** With an accuracy of 95% the bot helped HR decision-making by providing valuable insights during the recruitment process.
- Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, Power Virtual Agent, Power Apps, Power BI, Git.
- Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Teaching Assistant

Remote

Nanyang Technological University And AWS

Dec 2022 - April 2023

- Had active discussions with NTU faculty to help students visualise Machine Learning concepts.
- Collaborated with AWS Trainers to effectively helped students deploy ML models.
- Achievements:** Helped 40+ students build and deploy their first ML models.
- Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, Keras, Tensorflow, Git.
- Soft Skills:** Teamwork, Time Management, Teaching, Management, Communication, Presentation skills.

AI Developer

Chennai, IN

Mellon AI

Aug 2022 - Feb 2023

- Developed an ML model that analyses patient health data and predicts a healthy diet.
- Analysed and optimised the readability of raw data.
- Compared multiple models and strategised a Random Forest Classifier model with an accuracy of around 80%.
- Achievements:** Optimised the work time by 40% with 78% more accurate results.
- Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, Keras, Tensorflow, Git.
- Soft Skills:** Teamwork, Time Management, Critical Thinking, Management, Communication, Presentation skills.

Software Developer Intern

Illuminarc

Gurugram, IN
Nov 2022 - April 2023

- Implemented a modern and responsive website from scratch to enhance user engagement.
- Curated content to optimise the website for search engine visibility by about 80%.
- **Achievements:** Boosted user interaction with the page saving 40% of users' time.
- **Technical Skills:** HTML, CSS, JavaScript, React, Git.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Data Science Intern

National University of Singapore and HPE

Singapore, SG
Jun 2022 - Jul 2022

- Collaborated with researchers to develop a Deep Learning CNN solution to detect arrhythmia by analysing an ECG dataset.
- Analysed multiple research papers to come up with the strongest architecture which was 80% more effective.
- **Achievements:** Secured an accuracy of 95%, an improved proposed solution compared to the previous models.
- **Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, Keras, Tensorflow, Git.
- **Soft Skills:** Teamwork, Time Management, Critical Thinking, Management, Communication, Presentation skills.

Projects

Arrhythmia Classification

Deep Learning and CNN Project

- Developed a Deep Learning model using CNN to classify cardiac arrhythmias.
- Implemented the CNN architecture and optimised hyperparameters to achieve the highest accuracy possible.
- Achieved a high accuracy rate of over 98% in classifying five types of arrhythmias.
- **Technical Skills:** Python, Pandas, Numpy, TensorFlow, Keras, Matplotlib.
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

Under Water Trash Detection

Machine Learning and Deep Learning Project

- Designed an image processing pipeline for identifying and classifying different types of trash underwater.
- Involved experimentation with different Computer Vision techniques and algorithms.
- **Technical Skills:** Python, openCV, Scikit, GitHub, Selenium, TensorFlow.
- **Soft Skills:** Presentation skills, Leadership, Teamwork, Logical Thinking.

Malware Detection

Continual Learning Project

- Researched and implemented Machine Learning algorithms for real-time malware detection.
- Used different Continual Learning strategies to get the most accurate outcome.
- **Technical Skills:** Python, Scikit, Pandas, Numpy, Avalanche.
- **Soft Skills:** Report writing, Logical Thinking, Critical Thinking, Leadership.

Student Profile Tracker

Web Dev and App Dev Project

- Developed a student profile tracker to track the scores of student across all coding platforms and rank them based on their scores.
- Has 3 portals Admin, Student, Mentor.
- **Technical Skills:** HTML, CSS, JS, Flutter, Dart, Django, SQL, Firebase.
- **Soft Skills:** Report writing, Logical Thinking, Critical Thinking, Leadership.

Suraksha

ML, Web Dev and App Dev Project

- Developed an app and a website to track the policemen on duty.
- Has 2 portals Admin and officer where Admin can appoint the location for the officer and can track their location.
- Used Computer Vision to detect the movement of the crowd and appoint officer accordingly.
- **Technical Skills:** Python, Computer Vision, HTML, CSS, JS, and Firebase.
- **Soft Skills:** Report writing, Logical Thinking, Critical Thinking, Leadership.

Honors and Awards

2022	Runner Up , IEEE National Level Hackathon (IC Hack)	India
2018	Top 3 , Amazon National Level Hackathon (Alexathon)	India
2018	Winner , CBSE State Level Science Exhibition	India
2018	Top 30 , CBSE National Level Science Exhibition	India

References available upon request.