

# Aryan Odugoudar

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## Skills

**Languages:** Python, C, C++, Haskell, JavaScript, SQL, Java, CSS, HTML, R, PHP  
**Frameworks:** Scikit, TensorFlow, Keras, Django, Flask, Azure, React, AWS, MS Power Platform  
**Developer Tools:** Git, Docker, Linux, Shell, Firebase, VS Code, Google Cloud Platform  
**Soft Skills:** Leadership, Critical Thinking, Time Management, Stakeholder Management

## Education

**Australian National University (ANU)** Canberra, AU  
*Bachelor of Computing* 2025  

- Courses:** Data Science, AI, Machine Learning, Deep Learning, Operating Systems, DBMS, Networks, Data Structures, Algorithms, Statistics, Calculus, Algebra.

## Work Experience

**AI Engineer** Nov. 2025 – Present  
*Pickles Auctions* Sydney, AU  

- Architected automation agents via Copilot Studio & Power Automate to streamline RFP responses.
- Developed a Gemini API vehicle inspection app for automated OCR reading and damage classification.
- Engineered a Flask tool with Google Search Grounding to synthesize market data into executive decks.
- Achievements:** Reduced reporting lifecycles from hours to seconds, eliminating human error.
- Technical Skills:** Python, Flask, Copilot Studio, Power Automate, Gemini 2.5 Flash, APIs.
- Soft Skills:** Architectural Design, Problem Solving, Process Optimization, Communication.

**Software Developer** Sept. 2025 – Nov. 2025  
*AfterQuery (YCombinator backed)* Remote  

- Working as a Software Developer in a YCombinator backed startup.
- Building challenges using Bash/Linux to train and test LLMs.
- Achievements:** Created 20+ high quality challenges on different domains to train LLMs.
- Technical Skills:** Bash, Shell, Devops, System-administration, Git.
- Soft Skills:** Teamwork, Time Management, Critical Thinking, Management, Communication, Presentation skills.

**Junior Tech Consultant** Feb. 2024 – July 2024  
*ThinkPlace (Synergy Group)* Canberra, AU  

- Working as a Tech Consultant Intern to develop LLM models.
- Building a Generative AI based LLM model to understand aged care system in Australia.
- Achievements:** Securing an accuracy of 89%, which is higher than the previous models.
- Technical Skills:** PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, Keras, Tensorflow, Copilot Studio, Git.
- Soft Skills:** Teamwork, Time Management, Critical Thinking, Management, Communication, Presentation skills.

**Data Science Intern** Dec. 2023 – Feb. 2024  
*Meteoros Automation LLP* Bangalore, IN  

- Developed an LLM and an App to assist the HR department in evaluating the value of certifications.
- 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:** PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, Copilot Studio, Power Apps, Power BI, Git.
- Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

**Teaching Assistant** Dec. 2022 – April 2023  
*Nanyang Technological University And AWS* Remote  

- 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

Aug. 2022 – Feb. 2023

*Mellon AI*

*Chennai, IN*

- 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.

## Projects and Research

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### Embodied AI Agent, ADA | *NLP and LLM Project*

- Developed an embodied conversational AI agent at ANU to improve student access to campus information
- The agent is present in the form of an avatar, designed for real-time, speech-based interaction in public spaces
- This AI assistant uses advanced technologies such as GPT-4o for response generation, ElevenLabs for realistic speech synthesis, Whisper for speech recognition, and Rhubarb Lip Sync for mouth animation
- **Technical Skills:** NLP, APIs, GPT, LLM, HTML, CSS, JS, STT, TTS
- **Soft Skills:** Report writing, Logical Thinking, Critical Thinking, Problem Solving.

### Arrhythmia Classification | *Deep Learning and CNN Project*

- Developed a Deep Learning model using CNN to classify cardiac arrhythmia.
- 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 arrhythmia.
- **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.

### 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

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