

Education

The University of Adelaide Adelaide, Australia

Feb 2023 - Dec 2025

Bachelor of Computer Science, GPA: 6.4/7

(Active member of Computer Science Club and Competitive Programming Club)

Work Experience

Full Stack Developer Intern - Mira

Nov 2024 – Jan 2025

- Designed Mira’s frontend by developing a robust calendar component with features such as dynamic event management, and interactive modal dialogs, improving user experience and workflow efficiency.
- Orchestrated the backend development and database management using Node.js, Express.js and Supabase to build high-performance RESTful APIs.
- Spearheaded technology discussions, contributing to wireframe design, authentication strategy, and scalable deployment solutions, ensuring a seamless and secure infrastructure.

Software Engineer Intern - Marsupium Financial Services

Aug 2024 – Nov 2024

- Led the development of an AI-driven financial model by analyzing large datasets, achieving over 90% accuracy in predicting user spending patterns, delivering personalized notifications to assist users with effective budgeting.
- Collaborated closely with international teams to elicit requirements, propose innovative ideas, and ensure timely model delivery through Agile weekly sprint reviews and Jira-based task management.
- Deployed AI model on Google Cloud Platform (GCP), leveraging cloud computing for scalability.

Research Intern - Australian Institute of Machine Learning

Nov 2023 – Aug 2024

- Developed a scalable and customizable Language Learning Model application in collaboration with a PhD professor, leveraging research on Retrieval Augmented Generation (RAG) to enhance model capabilities.
- Improved system performance by 85% by optimizing document upload processes and implementing a configurable file system. Enhanced model security with robust backend protection measures.

Projects

Real Estate Price Prediction Website

Feb 2025 – Mar 2025

- Developed and trained a ML model using Scikit-learn and linear regression to predict home prices, achieving an accuracy of 82%. Deployed the model on AWS for scalable real-time predictions.
- Implemented a Python Flask server to serve predictions via HTTP requests, demonstrating key concepts such as data cleaning, outlier removal, feature engineering and dimensionality reduction.

Onboarding Assistant - Atlassian Forge Hackathon 2025

Feb 2025

- Spearheaded the development of an AI-powered onboarding assistant, integrating a ROVO Agent within Jira.
- Enhanced efficiency with intelligent search, task prioritization, and automated Confluence summariser.

GreenAgenda

Dec 2024 – Jan 2025

- Led the development of a web platform to promote afforestation and environmental conservation.
- Designed a responsive UI using HTML, CSS, JavaScript and Vue.js for an engaging user experience.
- Created and integrated a chatbot using botpress to answer user queries, provide information about upcoming events.

TetrisX

Oct 2023

- Spearheaded a team of four to create a puzzle game with three modes, including Zen Mode and Time Attack.
- Applied OOP principles and used the raylib library for dynamic block manipulation and visualization.

Skills

Proficient : Python and C++

Familiar : HTML, CSS, JavaScript, C#, MySQL, Firebase, React, Node.js, Next.js

Community Involvement

- Student Leaders Event Committee Lead** Jun 2024 – Aug 2024
 - Led a student leader committee, organizing personal development and networking events for peers.
 - National Competitive Programming Contest** Feb 2024
 - Ranked 15th in a national competitive programming competition.
 - Adelaide Uni MedTech Hackathon** Aug 2023
 - Collaborated with a team of four to develop an AI system addressing plastic waste in healthcare.