

Jaylou Rasonabe

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Education

Bachelor of Computing Science (Honours)

January 2024 - December 2027

University of Technology Sydney

- Major: Artificial Intelligence
- Relevant Coursework: Programming 1 & 2, Network Fundamentals, Database Fundamentals, Data Structures and Algorithms, Introduction to Data Analytics, Discrete Maths, Maths 1 & 2

Technical Skills

Languages: C++, C#, Typescript/Javascript, Python, Java, HTML/CSS, R

Technology: Git, React, React Native, Express.js, Node.js, SQL, Firebase, Github Actions, Docker, Vercel, Unity Engine, Tailwind, Visual Studio

Experience

IT Support - Level 2

January 2023 - Present

Pacific Data Solutions, Sydney, NSW

- Delivered technical support for 30+ client environments, resolving hardware, software, and network issues.
- Led on-site deployments and troubleshooting for new systems, networks, and infrastructure rollouts, delivering requests within 3 business days .
- Built and deployed custom client software as part of internal projects for automation, automating 10% of manual process.
- Produced a hardware/IT lifecycle forecast report for a client to guide upgrades and budgeting.

Projects

Team Lead

June 2025 - Present

MagiPlant | Personal Project, Sydney, NSW

- Led a team of 3 in developing a tower defense game feature idle elements and roguelike gameplay.
- Engineered core gameplay systems, including a dynamic enemy wave spawner, tower attack/detection logic, and enemy behaviour. Making up about 50% of core gameplay.
- Implemented singleton managers for game state, audio, and enemy tracking to ensure clean and centralised control, making project scalable by at least 30%.

Data Scientist

October 2025

Predictive Modelling for Loan Defaults | University Project, Sydney, NSW

- Built and optimized a variety of machine learning models (Random Forest, Neural Networks, SVM, etc.) using GridSearchCV to predict loan default risk from a ~49k record dataset.
- Engineered a full data pipeline to clean, preprocess, and transform imbalanced data, performing feature engineering and normalisation.

Developer

April 2025 - June 2025

Licence Dashboard & Report Generator | Internal Project, Sydney, NSW

- Delivered a secure Python desktop app (pywebview, Plotly Dash) to query Microsoft Graph API for real-time M365 licence and user data.
- Streamlined client report process by automating report generation from dashboard visuals, drastically reducing manual work.

Front End Developer

October 2023

Audiophile E-commerce Website | Personal Project, Sydney, NSW

- Developed a multi-page, responsive e-commerce front-end application from a professional Frontend Mentor design. (see Live Demo).

Awards & Certifications

- Dean's List, Western Sydney University
- Certificate III in Information Technology (Networking), TAFE NSW

References

References available upon request