

Education

<b>The University of Adelaide</b>	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

<b>Full Stack Developer Intern - Mira</b>	Nov 2024 – Jan 2025
<ul style="list-style-type: none"><li>Developed a calendar component for Mira’s frontend implementing features like drag and drop, dynamic event management, modal dialogs, and day/month views.</li><li>Designed and implemented RESTful APIs for event management (creation, insertion, deletion, and updates).</li><li>Actively contributed to wireframe discussions and infrastructure planning, including authentication, deployment, and scalability.</li><li>Maintained project tracking in Jira and leveraged Git for version control, ensuring smooth collaboration.</li><li>Technologies used : React.js, Next.js, REST APIs, Node.js, Express.js, Insomnia, Supabase, Jira.</li></ul>	
<b>Software Engineer Intern - Marsupium Financial Services</b>	Aug 2024 - Present
<ul style="list-style-type: none"><li>Analysed financial datasets to train AI models, achieving over 90% accuracy in predicting user spending.</li><li>Performed thorough cleaning and validation of database records, boosting overall efficiency by 30%.</li><li>Hosted and deployed the AI model on Google Cloud Platform (GCP), leveraging cloud services for scalability.</li><li>Technologies used: Python, C#, Unity, .NET, Firebase, GCP, Docker.</li></ul>	
<b>Research Intern - Australian Institute of Machine Learning</b>	Nov 2023 – Aug 2024
<ul style="list-style-type: none"><li>Collaborated with a PhD professor on a cutting-edge Language Learning Model, resulting in a fully scalable and customizable application suitable for both individuals and businesses.</li><li>Optimized document upload processes by enhancing API performance, increasing system efficiency by 85%.</li><li>Enhanced security measures by implementing backend protection strategies to safeguard sensitive data.</li><li>Technologies Used: Python, Typescript, JavaScript, Node.js, HTML, CSS.</li></ul>	

Projects

<b>GreenAgenda</b>	Dec 2024 – Jan 2025
<ul style="list-style-type: none"><li>Developed an interactive web platform promoting afforestation and environmental conservation.</li><li>Designed a responsive UI using HTML, CSS, JavaScript, Vue.js, and Bootstrap for an engaging user experience.</li><li>Built a secure backend with Node.js and Express.js, enabling user authentication and feedback submission.</li></ul>	
<b>TetrisX</b>	Oct 2023
<ul style="list-style-type: none"><li>Led a team of four in developing a puzzle video game with three modes, including Zen Mode and Time Attack.</li><li>Utilized OOP principles like inheritance and polymorphism for dynamic manipulation of block position.</li><li>Employed the raylib library for visualization and conducted comprehensive unit testing for code validation.</li></ul>	
<b>BlackJack Card Game</b>	Jan 2023 - Feb 2023
<ul style="list-style-type: none"><li>Created a multiplayer card game for the terminal featuring a computer dealer and player.</li><li>Organized game logic into classes like Deck, Player, and Chips utilizing encapsulation, ensuring modular design.</li><li>Implemented permanence by allowing players to resume games with their current coins.</li></ul>	

Skills

Proficient : Python and C++      Familiar : HTML, CSS, JavaScript, C#, MySQL, Firebase, React, Node.js, .NET, Next.js, Jira

Community Involvement

- Student Leaders Event Committee Lead**      Jun 2024 – Aug 2024
  - Led a student leader committee, organizing personal development and networking events for student leaders.
- National Competitive Programming Contest**      Feb 2024
  - Ranked 15<sup>th</sup> 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.