

Sakeena Zainab Preena

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EDUCATION

Swinburne University of Technology
Bachelor of Engineering – Software, Minor in Accounting

Feb 2021 – Dec 2025

PROJECTS

IOT-based device (Automated pet door) | *Serial communication via an edge server, C++, HTML, CSS, JavaScript*

- Developed and implemented serial communication between an automated pet door and an edge server.
- Conducted testing to ensure reliability and responsiveness of the pet door under various conditions.
- Designed a website to view real-time data obtained from the pet door.

Minesweeper game | *Visual Studio, C++*

- Built a classic Minesweeper game using C++ and Visual Studio.
- Ensured efficient memory management and optimised performance.

Web Development projects (Portfolio website/Mini Jira board/Company website) | *HTML/CSS, JavaScript*

- Developed and maintained multiple dynamic websites.
- Implemented responsive design principles to ensure optimal user experience.

Building Asset Location System | *HTML/CSS, JavaScript, Arduino, Python, JSON, CSV*

- Designed and developed a system and website to track assets across a multi-story building.
- Used BLE beacons, transponders, and a web interface to display real time asset locations on floorplans.

TECHNICAL SKILLS

Languages: C++, C#, HTML/CSS, JavaScript, Python, MATLAB, SQL

Operating Systems: Windows, Linux

Developer Tools/Frameworks: Visual Studio, VS Code, Raspberry Pi VM, React.js, Flask, Node.js

OTHER RELEVANT SKILLS

- Able to design unit tests to measure the effectiveness of software programming interfaces.
- Confident problem-solving abilities.
- Strong communication skills and able to listen carefully and analyse feedback.
- Able to effectively collaborate with other members.

WORK EXPERIENCE

Crew Member

May 2023 – June 2024

McDonald's AU

- Provided exceptional customer service by assisting diverse clientele and ensuring a positive experience.
- Worked closely in a team to maintain efficient operations in a fast-paced environment.
- Demonstrated strong time management by efficiently handling multiple responsibilities.

Sales Associate/Team member

July 2024 – Present

Valleygirl DFO Southwharf

- Delivered personalised customer service by assisting shoppers with product selection.
- Maintained store presentation and operated efficiently during peak hours, demonstrating adaptability.

CORE QUALIFICATIONS

- User Centered Design
- Object Oriented Programming
- Engineering Management
- Creating Web Applications
- Software/Usability Testing