Sakeena Zainab Preena

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EDUCATION

Swinburne University of Technology Feb 2021 – Feb 2025
Bachelor of Engineering – Software, Minor in Accounting

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.

Text Messaging App | *Visual Studio, C++*
- Created a cross-platform text messaging application using Visual Studio and C++.
- Designed an intuitive user interface to enhance user experience.
- Integrated with a backend server to store and retrieve messages securely.

Adventure game | *Visual Studio, Unity, C#*
- Developed an interactive adventure game using Unity and C#.
- Designed and implemented game mechanics, character controls and environment interactions.

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

Website Development projects | *HTML/CSS, JavaScript, React, Node.js*
- Developed and maintained multiple dynamic websites.
- Implemented responsive design principles to ensure optimal user experience.

TECHNICAL SKILLS

Languages: C++, C#, HTML/CSS, JavaScript, Python, MATLAB, SQL
Operating Systems: Windows, Linux
Developer Tools: Visual Studio, VS Code, Raspberry Pi VM

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 - Present
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.

CORE QUALIFICATIONS

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