

# Shahid Hussain

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## EDUCATION

### The University of Adelaide

Bachelor of Mathematics and Computer Science

Australia, SA

Feb. 2024 – Oct. 2026

## EXPERIENCE

### Coles

Mar. 2021 – Present

Night Shift Filler

- Managed inventory operations during night shift at Coles, ensuring accurate stock levels through meticulous record keeping and regular audits.
- Collaborated closely with team members to coordinate nightly tasks and prioritize workload, fostering a cohesive and productive work environment.

### Student Learning Hub

May. 2022 – Sep. 2023

Tutor

- Tailored one-on-one tutoring sessions to match each student's learning style, simplifying complex concepts and focusing on areas of difficulty.
- Guided students through problem-solving techniques and practice exercises, leading to significant improvements in their grades—from Cs to Bs and from Bs to As.
- Collaborated with teachers to align tutoring sessions with classroom curriculum and address specific areas of difficulty.

## PROJECTS

### Arcade Game | MATLAB

Mar. 2024 – Apr. 2024

- Developed a multi-game arcade project using MATLAB, featuring popular classics like Battleship, Blackjack and a Number Guessing Game.
- Optimized code for efficiency and readability, ensuring smooth game play and ease of maintenance.

### E-Portfolio | HTML, CSS, GIT, FIGMA

Jun 2021 – Aug 2021

- Designed and prototyped the user interface in Figma, creating a visually appealing and intuitive layout that highlights key projects, language proficiencies, and personal information.
- Self-taught in HTML, CSS, and Figma, demonstrating a proactive approach to learning and applying new skills to real-world projects.
- Implemented responsive design principles to ensure a seamless viewing experience across diverse devices and screen sizes.

### Automated Stock Trading Simulation | C++, QT Creator

2024 – Oct 2024

- Developed a stock trading simulation application using C++ and Qt, featuring automated buy/sell actions based on predefined criteria and real time stock graph visualization.
- Implemented a custom trading bot to handle trading decisions, portfolio tracking, and historical data management, automating the trade process based on simulated market conditions.
- Utilized a Geometric Brownian Motion model to generate realistic stock price fluctuations, ensuring statistical accuracy in the simulation of market trends and volatility.
- Integrated performance statistics, such as total returns and volatility measures, to provide insight into the trading bot's performance and market behavior.

## EXTRACURRICULAR

### Open Day Volunteer

- Served as a University Ambassador for the Computer Science department, providing information and guidance to prospective students and their families.
- Collaborated with faculty and staff to enhance the visitor experience, contributing to the overall recruitment efforts of the Computer Science department.

## TECHNICAL SKILLS

Languages: MATLAB, C, C++, HTML, CSS,

Developer Tools: Git, Figma, GitHub, VS Code, Visual Studio, WSL