

# Glebe Zhivoglyadov

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## EDUCATION

**University of Adelaide, Bachelor of Mathematical and Computer Sciences** Feb 2023 – Nov 2025

**GPA: 6.81/7.0. Relevant Courses Completed:** Object Oriented Programming, Algorithm Design & Data Structures, Algorithm and Data Structure Analysis, Web & Database Computing, Problem Solving & Software Development, Computer Systems, Multivariable & Complex Calculus II, Mathematics IA, Mathematics IB.

**TAFESA, Certificate IV in Cyber Security**

Feb 2023 – Dec 2024

Completed coursework covering network security, cyber threat analysis, incident response, ethical practices, and cybersecurity infrastructure implementation.

## WORK EXPERIENCE

**CSIRO Work Experience**

Nov 2021 – Dec 2021

- Worked on an industry-focused project to analyze Victorian electricity demand and pricing trends.
- Developed and fine-tuned a machine learning model in Python to predict future electricity prices using real-world data obtained from AEMO.
- Gained hands-on experience with Python libraries such as Pandas, NumPy, and Scikit-learn for data preprocessing, feature engineering, model training and hyperparameter tuning.

## PROJECTS

**AI-Powered Fitness Trainer | [GitHub](#)**

Jan 2025 – Jan 2025

- Developed an AI-powered fitness trainer application using Streamlit, OpenCV, and MediaPipe Pose to provide real-time exercise feedback and track user performance.
- Implemented a user-friendly interface in Streamlit for users to set goals and track reps and sets.
- Integrated MediaPipe Pose Detection to track and analyze body movements in real-time and provide corrective feedback for proper form and technique.

**Volunteer Organizations Platform Web Application | [GitHub](#)**

Apr 2024 – Jun 2024

- Developed a fully functional volunteer organizations web application to allow volunteers to promote themselves, find new members, and keep their existing members updated.
- Gained hands-on experience in building scalable web applications and demonstrated expertise in modern web development technologies including Node.JS, Express.JS, Vue.JS, and AJAX.
- Built a visually appealing user interface and ensured seamless interaction with the backend.

**Store Management Simulator | [GitHub](#)**

Sep 2023 – Oct 2023

- Collaborated with a team of three to design and develop a terminal-based application for managing supermarket operations using C++.
- Implemented features for managing products, employees, and finances, along with functionality to save and load application state.
- Applied and demonstrated key Object-Oriented Programming (OOP) principles, such as inheritance, encapsulation, polymorphism, and abstraction, to ensure a modular and maintainable program.

## AWARDS/COMMUNITY INVOLVEMENT

**DuckCTF 2<sup>nd</sup> Place Award**

Aug 2024

- Achieved 2nd place in the annual Computer Science Club DuckCTF Capture the Flag Competition.

**Ravi's Study Program (RSP)**

Nov 2024 – Feb 2025

- Completed an intensive, alumni-led coding bootcamp at the University of Adelaide, involving an in-depth study of DSA, solving real-world coding challenges, and participating in rigorous Big Tech-style mock interviews.

## TECHNICAL SKILLS

**Languages:** C/C++, HTML/CSS, MATLAB, Python, SQL