

Abdullah Murad Ertaskin (Preferred Murad)

Links: [Email](#) | [LinkedIn](#) | [Github](#) | [Portfolio Website](#)
0424 739 176

Introduction

Bachelor of Information Technology student with strong foundations in software engineering, systems, and applied machine learning. Experienced in building, testing, and deploying full-stack applications and backend services using modern tooling.

Education

Adelaide University

Adelaide, Australia

Bachelor of Information Technology

Expected Completion: 2026

Core Subject GPA: 6.5/7

Relevant Coursework: Evolutionary Algorithms, Machine Learning, Artificial Intelligence Modeling, Computer Networks, Operating Systems, Database Systems, Software Engineering, Web Development

Projects

Portfolio Website ([muradertas.dev](#))

[Github Link](#)

Technologies: HTML, CSS, JavaScript, React, Node.js

- Designed and built a personal portfolio to showcase software and projects
- Developed a responsive, mobile-friendly interface with a clean component-based frontend
- Implemented backend functionality including a contact form and deployment workflow

Small Language Model - Transformer vs RNN Comparison

[Github Link](#)

Technologies: Python, PyTorch, BPEasy

- Built Transformer and LSTM language models from scratch for sequence modelling and text generation
- Implemented subword tokenization using Byte Pair Encoding (BPE) to improve vocabulary efficiency
- Developed an interactive interface to compare model outputs side-by-side and analyse qualitative differences

Selected technical projects (full details, live demos, and more available at [muradertas.dev](#)).

Experience

Commonwealth Bank Software Engineering Job Simulation

December 2025

Forage

- Completed a job simulation focused on backend and frontend development for Commonwealth Bank's Software Engineering team.
- Extended the backend using C# to enable icons, gaining proficiency in .NET, MongoDB, Postman, and Git.
- Modified an existing React/Redux frontend to enable icons, expanding expertise in React, Redux, TypeScript, NPM, and Git.

Quantium Software Engineering Job Simulation

December 2025

Forage

- Developed an interactive Dash application that enabled the client to assess the impact of price changes on sales and profitability.
- Implemented a test suite to verify the Dash application is working and a bash script to automatically run the test suite.
- Developed an intuitive user interface to make the application enjoyable and engaging for the client to interact with.

Technical Skills

Programming Languages: Python, Java, JavaScript, C++, SQL, HTML

Frameworks & Libraries: React, Node.js, Flask, Django, Express.js

Tools & Technologies: Git, Docker, AWS, Linux, MongoDB, PostgreSQL, PyTorch

Other: Agile/Scrum, CI/CD, RESTful APIs, Microservices