

Abdullah Murad Ertaskin (Preferred Murad)

Links: [Email](#) | [LinkedIn](#) | [Github](#) | [Portfolio Website](#)
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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 (See more at [muradertas.dev](#))

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

Experience

Freelance Software Developer

July 2025 - Present

Upwork

Remote

- Worked with clients to deliver software development and technical solutions through the Upwork platform.
- Created custom machine learning models, web applications, scripts, and more for clients.

Job Simulations

Commonwealth Bank Software Engineering Job Simulation

December 2025

Forage

- Extended backend functionality using C# and modified the React/Redux frontend to enable icons; gained proficiency in .NET, MongoDB, Postman, Git, React, Redux, TypeScript, and NPM.

Quantum 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.

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