



A. Vidun Rashmika



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Galle – Sri Lanka

Skills

- Python
- Java
- C++
- HTML
- CSS
- Scala
- JavaScript
- React
- Node.js
- Flutter
- SQL (MySQL, SQLite)
- Version Control (Git)
- UI/UX Design (Figma)
- Ruby on Rails
- problem solving skills
- Leadership
- Project Management
- Communication

Languages

- English
- Sinhala

Leadership

- Deputy Head Prefect – School
- President, Mathematics Club – School
- Vice President, Media Unit – School
- Financial Director and Editor of Interact Club of Telford International School
- Student Ambassador, ECU
- PR Director, Rotaract Club of ECU
- Captain, ECU CODM eSports Team

SUMMARY

Detail-oriented and adaptable Software Engineering Graduate (Final Semester) skilled in full-stack web development, machine learning, and distributed systems. Proficient in Python, Java, React, Node.js, Flutter, MySQL, and cloud-based tools, with hands-on experience through multiple academic and capstone projects. Eager to contribute technical expertise, problem-solving ability, and a collaborative mindset to dynamic software development teams.

Professional Experience

AI-Driven Career Advancement & Interview Simulation System - Capstone (Ongoing)

- Designed and developed a full-stack web platform integrating CV builder, AI-powered job recommendations, and video-based mock interviews.
- Implemented NLP models (spaCy, scikit-learn, PyTorch) for skill extraction and real-time job matching via APIs (LinkedIn, Jooble, JSearch).
- Built a React frontend and Node.js/Express backend integrated with a MySQL database.
- Integrated Whisper AI for audio-to-text transcription and AI-driven feedback, reducing manual evaluation effort/time.

PITRE - Personal Income Tax Return Estimator (Distributed Systems)

- Built a three-tier distributed system using Python + Pyro5 with SQLite: TRE client, GTO app server, PITD data server (+ PTC payroll client).
- Automated tax calculation and data validation processes with robust unit testing.
- Improved performance of tax queries, enabling simultaneous handling of multiple clients.

MyQuote Web App - Ruby on Rails

- Built a SaaS web application allowing CRUD operations for quotes with role-based access (Admin/User).
- Designed relational database schema with SQLite, ensuring data integrity and smooth migrations.
- Implemented secure authentication and public/private content management.

Intrusion/Malware Detection (Intelligent Systems)

- Conducted comparative analysis of Random Forest, SVM, and ANN models for intrusion detection.
- Applied SMOTE preprocessing to balance datasets and achieved improved ROC-AUC scores.

Education

Edith Cowan University (ECU), Sri Lanka

Bachelor of Computer Science – Software Engineering (Major)

Expected Completion – 10/11/2025

GPA – 3.6

Telford International School - Galle

IAL - Mathematics – A, Physics – B, IT – B

Edexcel IGCSE (OL) - 4 A* (9s), 2 A* (8s), 2 A(7s)

Certifications/Courses

CS50's Introduction to Programming with Python (Harvard Online) – Ongoing