



Anuja Witharana

✉ anujawitharana@gmail.com

☎ +94 70 578 7420

in linkedin.com/in/anujawitharana

github.com/anujawitharana

Summary

Motivated Computer Science undergraduate specializing in Software Engineering with experience in full-stack application development, object oriented programming (OOP), database systems, software testing, and secure software implementation practices. Skilled in Flutter, FastAPI, PostgreSQL, Python, and distributed systems through industry-relevant academic projects. Strong analytical, teamwork, and communication skills developed through collaborative Agile-based software engineering projects.

Education

2024 – 2026	Bachelor of Computer Science (Software Engineering) Edith Cowan University
2023 – 2024	Diploma of Science (Computing/IT) Edith Cowan College
2022	G.C.E. Ordinary Level (O/L) Central College Kuliyapitiya

Projects

STOX

Smart inventory decision support system

- Contributed to the development of a predictive inventory management system for SMEs using Flutter, FastAPI, and PostgreSQL.
- Assisted with backend database management and API integration, ensuring seamless data flow and minimizing integration errors during system testing.
- Supported implementation of cybersecurity focused features including role based access control (RBAC), audit logging, secure authentication
- Participated in integration for demand forecasting and predictive inventory analytics.
- Collaborated within an Agile project team to deliver project milestones, testing activities, and technical documentation.

Distributed Banking System

Client Server Architecture Project

- Designed a three tier system with client, application server, and database server
- Implemented secure authentication, balance query processing, and transaction management within a distributed banking architecture.
- Applied distributed systems concepts to maintain data consistency, reliability, and secure communication between system layers.

Online Store Database System

SQL Server Database Design

- Designed relational database with ER diagrams and data dictionary
- Developed SQL queries for secure data manipulation, retrieval, and relational database management.
- Applied normalization, constraints, and relationship modeling

Meeting Scheduling System Testing

- Designed structured test cases using Equivalence Partitioning and Boundary Value Analysis techniques.
- Performed black-box and white-box testing to identify functional and logical defects.
- Automated software testing procedures using Pytest and documented identified defects through structured reporting.

Mobile Application Development

Flutter & Dart

- Developed a cross-platform mobile application using Flutter and Dart.
- Implemented user interaction, application logic, and persistent data management features.
- Applied unit testing methodologies to validate functionality and improve application reliability.

Skills

Programming Languages

Python, SQL, Dart, Ruby, C++ , JavaScript

Frameworks & Technologies

Flutter, FastAPI, PostgreSQL, Firebase Authentication, Docker

Development Tools

Git, GitHub, VS Code, Android Studio

Testing & Analysis

Pytest, Black box Testing, White box Testing, Boundary Value Analysis, Equivalence Partitioning

AI Developer Tools

GitHub CoPilot , Google AI Studio

Interests

— Software Engineering | Full-Stack Development | AI Applications | Cybersecurity

Soft Skills

- | | |
|-------------------|---------------------|
| • Problem Solving | • Critical Thinking |
| • Adaptability | • Quick Learning |