Tashini Hendahewa

BEng (Hons) Software Engineering

(+94)76 44 67 569 | Ambalangoda, Sri Lanka | tashini.maleesha@gmail.com |
https://www.linkedin.com/in/tashini-maleesha-133176234/ | https://github.com/Tash2001 |
https://tash2001.github.io/portfolio/#

Work Experience

Software Engineering Intern

Epic Lanka (July 2023 - July 2024)

- Worked on full-stack development of enterprise-grade systems in the government and financial sectors.
- Collaborated in agile teams to deliver secure, scalable, and modular software solutions.

Key Projects:

Document Management System – Parliament of Sri Lanka

- Developed a centralized system for secure document storage, retrieval, and management.
- Implemented frontend components using React TypeScript and built backend services with Spring Boot.
- Integrated with SQL databases via Workbench for optimized data operations.

Technologies: React.ts, Spring Boot, SQL, Workbench

Card Management System – Paytect Product

- Contributed to Paytect, a comprehensive card issuing and merchant acquiring platform used by financial institutions.
- Assisted in developing modules for card application processing, personalization, and fraud detection.
- Worked with React.js for UI, Spring Boot for micro services backend APIs, and Oracle for transaction data management.
- Participated in agile development processes using Jira for issue tracking and sprint planning.

Technologies: React.js, Spring Boot, Oracle, Jira

Education

BEng Software Engineering: University of Westminster (2021 - 2025)
GCE Advanced Level: Dharmasoka College, Ambalangoda (Chemistry (C), Physics (C), Mathematics (B)) - 2020
GCE Ordinary Level: Dharmasoka College, Ambalangoda (Achieved 8A Passes) - 2017

Software Projects

Machine Learning & AI Projects

- **FabricGuard – Automated Fabric Quality Assessment System (2024 – 2025)**
  Developed an AI-based system for fabric defect detection and texture analysis using EfficientNetB3 with SE Block and Handcraft texture features. Built a responsive PWA with a FastAPI backend and SQL database to enable real-time inference, report generation, and enhanced user experience.
- **Beam Load Analyzer (2022–2023) - Group**
  Created a mobile app that scans hand-drawn beam diagrams and performs structural load analysis, combining image processing with Flutter UI and Python backend.
  Technologies: Flutter, Firebase, Python

Software Development Projects

- **Inventory and Billing System (2025)**
  Developed an inventory and billing system.
  Technologies: Node.js, Express.js, SQLite

- **RestCountries Middleware API System (2025)**
  Developed a secure Node.js middleware that integrates with the RestCountries API, offering endpoints for country data with user authentication and admin-level API key management. Packaged with Docker and backed by a SQLite database.
  Technologies: Node.js, Express.js, SQLite, Docker, JWT

- **TravelTales – Country Blog Platform (2025)**
  Created a full-stack blogging platform where users can post travel stories tagged with country-specific data. Implemented features like follow system, likes, comments, and blog search. Micro services backend is secured and Dockerized.
  Technologies: Node.js, Express.js, SQLite, Docker, JWT

- **Merchant Management System (2023)**
  Built a full-stack web application using Spring Boot and Angular 16 for managing merchant profiles with secure login, registration, and CRUD operations. Integrated MySQL/MariaDB for persistent data storage and connected frontend via RESTful APIs.
  Technologies: Spring Boot, Angular, MySQL

- **Student Management System (2023)**
  Developed a web app to manage student information, academic records, and course registrations using a Spring Boot backend with JSP frontend and MySQL integration.
  Technologies: Spring Boot, JSP, MySQL

- **Skin Consultation Center Management System (2022)**
  Created a Java Swing-based desktop application for managing appointments and consultations in a skincare center.
  Technologies: Java, Swing

- **Fuel Queue Management System (2022)**
  Built a JavaFX desktop solution for managing fuel station queues and vehicle flow.
  Technologies: Java, JavaFX

- **MIDNIGHT – Band Website (2022) - Group**
  Designed a static website for a fictional music band, showcasing media, profiles, and events.
  Technologies: HTML, CSS, JavaScript

- **Student's Progress Predicting System (2022)**
  Developed a Python-based application to predict student academic performance using historical data and basic machine learning techniques.
  Technologies: Python

Competitions & Hackathons

- **Code Sprint 7.0 (2023) –** A member of a finalist team of the IdeaSprint (phase 1) organized by IEEE of Informatics Institute of Technology.
- **Microsoft Imagine Cup (2023) –** Developed an innovative tech-based solution for a global competition.

Skills

Java (Spring Boot/MVC) |Python | JavaScript | Nodejs | Expressjs | FastAPI | jQuery | PHP | React | Bootstrap | MySQL | PostgreSQL | Oracle | R | GIT | Micro Services | Rest API | Machine Learning | Debugging | Cybersecurity | DB Management | Testing | Excel | Power BI | ElectronJs | Docker | Jira

Extracurricular Activities

- Member of School Badminton Team(2013-2015)
- Swimming Enthusiast
- Hackathon & Competitive Coding Enthusiast
- Member of Rotaract Club of Informatics Institute of Technology (2022-Present)