Dushan Beligala

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SUMMARY

Software Engineering undergraduate with hands-on experience in full-stack development, mobile apps, and innovative tech solutions.

EDUCATION

Ug. BSc (Hons) in Software Engineering	Diploma in IT NVQ-5	A/Level in Technology Stream
NSBM Green University	Technical college, Matale	Govt. Science College, Matale

SKILLS

- **Languages** — Java, Dart, C# ,Python
- **Frameworks** — Flutter, NextJs, React,
- **Platforms & Tools** — Android Studio, Vs Code, Visual Studio, Intellij IDEA, Git, Figma, XD
- **Soft Skills** — Problem solving, Critical thinking, Adaptability and flexibility

WORK EXPERIENCE

- **Technical Officer**   **Feb - 2022**
  University of Peradeniya
  Responsible for managing and maintaining the university's information and communication technology systems.

PROJECTS

NSBM FindX - lost & found app for University | GitHub   **Feb 2025 - Present**

- Developed a Flutter mobile app facilitating lost & found item recovery, featuring an AI-powered matching system to connect users efficiently.
- Implemented text embedding using the Google Gemini API (text-embedding-004) to convert item descriptions into semantic vectors, enabling intelligent textual similarity matching.
- Integrated Google Vision API for image labeling and feature extraction. The Items matching process is complemented by cosine similarity for precise match identification.

WatchQueue - Movie Wishlist Manager | GitHub   **Dec - 2024**

- Search & Track Movies/Series Integrated with OMDb API to allow users to search movies and TV shows, add them to a personal watchlist, and mark them as watched or not
- For User Authentication & Syncronizations, I utilized Firebase Authentication for backup watch list and implemented local storage using SQLite,

GPA Connect - GPA Calculation Web System   **May - 2024**

- Designed and developed a user-friendly GPA calculator using Python (Flask) and MySQL, enabling accurate grade tracking with job market insights linked to GPA and degree program.
- Contributed as a backend developer, implementing core logic.

MediCare - Pharmacy MS UI Design | Figma   **Dec - 2024**

- Designed intuitive and responsive UI/UX layouts for the MediCare pharmacy management app using Figma, focusing on streamlined workflows, accessibility, and modern visual design standards.

CERTIFICATES

Front-End Web Dev using JavaScript and React.js.   **April - 2023**

- Successfully completed a 7-day boot camp with DevTown on Front-End Web Development using JavaScript and React.js. Certification from GDSC KIIT Chapter