

Mdusanka S Pabasara Fernando

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🔗 pabasarafernado.me

Profile

Enthusiastic IT graduate with skills in programming and web technologies, eager to apply problem-solving abilities and grow within the IT industry.

Projects

TravelBookingSrilanka

05/2025 - Present

Your Gateway to Sri Lanka - Modern Tourism Booking Platform

Technologies Used: React, TypeScript, Tailwind CSS, Vite, Node.js, Express, MongoDB.

Automeet

01/2025 - 07/2025

Automated, Intelligent, and Collaborative Meeting Scheduling Backend API

Technologies Used: Ballerina, MongoDB Atlas, JWT/OAuth 2.0, Ollama AI, Hugging Face, Next.js, Bootstrap 5, Chart.js, jsPDF, Axios.

AI based Obsidian

Present

A knowledge based system powered by AI relation mapping

Technologies Used: Next.js (React, TypeScript), Styled Components, WebSockets, FastAPI, SQLAlchemy, PostgreSQL/SQLite, pgvector, Celery, Hugging Face, Sentence Transformers, Torch, JWT, bcrypt, Redis, Alembic, REST & WebSocket APIs.

Smart Crypto Trader - AI Trading Bot

07/2024 - 01/2025

Technologies Used: Python 3.x, Flask, Flask-CORS, python-binance, SQLite3, Pandas, NumPy, WebSocket APIs, Azure VM, systemd, Binance Futures API.

MotoVista

08/2023 - 08/2024

Mobile-based solution for VHMS Iot

Technologies Used: Flutter, Firebase

Skills

C | C++ | React | TypeScript | Tailwind CSS | Vite | Node.js | Express | MongoDB | Next.js | Styled Components | WebSockets | FastAPI | SQLAlchemy | PostgreSQL | SQLite | pgvector | Celery | Hugging Face | Sentence Transformers | Torch | JWT | bcrypt | Redis | Alembic | REST API | WebSocket API | Python 3.x | Flask | Flask-CORS | python-binance | Pandas | NumPy | Azure VM

Education

B.Sc. (Hons.) in Information Technology (Reading)

05/2023 – Present

University of Moratuwa

Major: Information Technology | Dean's List (1 semester) | **Current GPA 3.69** | Key Courses: Computer Architecture, Networks, Operating Systems, AI, Machine Learning, NLP, Neural Networks, Enterprise Application Development, IT Quality Assurance, High Performance & Cluster Computing.

Languages

English • Sinhala

Other

Academic Achievements

- Dean's List: LISI

Coding & Certifications

- HackerRank: 5★ in Java and C preparation
- Certified Frontend Developer (React)
- CodeRush: 10th place participation