

Chalana Sangeeth

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Welcome

I am a motivated **B.Sc. Engineering (Hons)** student majoring in **Electrical and Electronic Engineering at South Eastern University of Sri Lanka**, with a strong academic background and practical skills in the field

Education

South Eastern University of Sri Lanka

Aug 2022 – Present

BSc (Honors) in Electrical & Electronic Engineering

- GPA: 3.35/4.0

Experience

Software Engineer (Intern)

Colombo, SL

Sri Lanka Telecom

May 2024 – Aug 2024

- Contributed to full-stack development for a product management system at **Digital Platform - Sri Lanka Telecom** [🔗](#), using Flutter, Dart, and ensuring seamless API integrations
- Gained experience in front-end and back-end development, database management, version control (Git), and participated in agile cycles and team code reviews.

Projects

Industrial Engineering Project - PowerProx(SL Telecom)

May 2024 - Aug 2024

- Developed and enhanced UI features using Flutter and Dart, integrating RESTful APIs for real-time asset tracking and updates.
- Improved inspection workflows and implemented Gemini API for efficient quotation retrieval and processing.
- Tools Used: Flutter,Dart,Gemini API,[Generative AI](#) [🔗](#)

Smart Route Optimization System

May 2025 -May 2025

- Built a Flask-based route optimization system using Dijkstra's algorithm and Google Maps API to compute efficient multi-stop routes.
- Enabled real-time map visualization and optimized paths by travel time/distance, suitable for logistics, tourism, and ride-sharing applications.
- Tools Used: Python ,Flask ,Rest API ,Google Map API

Accommodation Booking Mobile App

Ongoing

- Developed a Flutter-based mobile app for listing and finding accommodations with secure user authentication using Firebase.
- Built RESTful APIs using Node.js with MySQL for data storage, enabling image uploads and real-time property listing updates.
- Tools Used: Firebase,MySQL,Flutter,Dart,Nodejs

Face Recognition Attendance System

Ongoing

- Built a real-time face recognition attendance system using DeepFace, supporting training via images or live capture and video-based detection.
- Generated automatic attendance logs with user details and designed a user-friendly GUI for training and recognition workflows.
- Tools Used: OpenCV,Pandas,python,DeepFace,GUI

Certifications

[Supervised Machine Learning - Regression and Classification](#)

Jul - 2024

- Issued by: DeepLearning.AI on Coursera

[AI / ML Engineer - Stage 1](#)

Apr - 2025

- Issued by: Centre of Open and Distance Education - SLIIT

[AI / ML Engineer - Stage 2](#)

Apr - 2025

- Issued by: Centre of Open and Distance Education - SLIIT

[What is Data Science](#)

Aug - 2023

- Issued by: DeepLearning.AI on Coursera

[Python for Beginners](#)

Jun - 2022

- Issued by: University of Moratuwa

[AgniXtream Hackathon Competition](#)

Dec - 2024

- 1 Runners Up at 6 hours Hackathon
- Issued by: IEEE Sri Lanka Section

Technologies

Languages: Python ,Dart, SQL,JavaScripts

Technologies: Flutter, Tensaflow, ML, AI, Matlab

References

Prof. M. A. L. A. Haleem

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Eng. Oshadha Ranaweera

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