

# DULAN IMALKA

## Full-Stack Developer



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Github



Linkedn

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### ABOUT ME

4th year Software Engineering undergraduate with hands-on experience in both backend and frontend development. Skilled in building APIs, managing databases, and creating user-friendly interfaces. Comfortable working in teams and communicating technical ideas clearly. Eager to learn and apply practical solutions to real-world problems.

### WORK EXPERIENCE

#### CEYLON ELECTRICITY BOARD

2024 November – 2025 May

360 Self-Service Employee Management

- Developed backend services and RESTful APIs using Python and Flask for employee email and Active Directory provisioning.
- Designed database schemas and wrote optimized MySQL queries for data management.
- Created subnet details retriever module to automate network configuration data handling.
- Built role-based UI components and dashboards with JavaScript, HTML, CSS, and Bootstrap.

### PROJECTS

#### DREAMFIT – VIRTUAL DRESSING ROOM

React.js | Three.js | MongoDB

- Developed a 3D fashion platform for real-time garment customization with Blender integration.
- Enabled personalization with color, image, and pattern adjustments.
- Integrated an AI chatbot to enhance user experience.

#### KIND HEART – SOCIAL IMPACT MOBILE APPLICATION

React Native | Firebase | Clerk

- Built a platform connecting donors, volunteers, and beneficiaries supporting SDG 1 (No Poverty).
- Implemented emergency services and donor recognition features.
- Designed secure user authentication with Clerk.

#### HELA SUWA – HOSPITAL MANAGEMENT SYSTEM

MERN Stack | Jest

- Managed hospital operations including staff onboarding, patient records, and prescriptions.
- Enabled patient access to lab tests and appointments with automated notifications.
- Maintained code quality using unit testing and design patterns.

#### FOODY – FOOD DELIVERY APPLICATION

Spring Boot, MongoDB, JWT, Kafka, Kubernetes, Docker

- Microservice for rider registration, authentication (JWT), and delivery management using Spring Boot and MongoDB.
- Built REST APIs for delivery operations and status updates.
- Containerized with Docker and deployed on Kubernetes for scalability.
- Integrated with other services in a Kafka-based microservices architecture.

### EDUCATION

#### SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

BSc (Hons) Degree in Information Technology  
Specializing in Software Engineering

2022 – Present

#### ISIPATHANA COLLEGE – COLOMBO

Advanced Level  
2020

### SKILLS

- Python – FLASK
- MERN Stack
- PHP
- Spring boot
- Javascript
- React Native
- HTML/CSS
- Tailwind/Bootstrap
- Mongo DB
- My SQL
- FireBase
- Docker
- MicroServices
- Git
- Figma

### LANGUAGES

- Sinhala
- English

### REFERENCE

Sandaruwan Basnakaye  
Ceylon Electricity Board

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