RUSIRU IMANJAYA DEVINDA

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SUMMARY

Passionate and motivated Software Engineering undergraduate with a solid foundation in programming, problem-solving, and software development. Eager to apply academic knowledge in practical settings, learn new technologies, collaborate effectively, and contribute to real-world projects while continuously improving and growing in the IT field.

EDUCATION

GCE ADVANCED LEVEL EXAMINATION 2021/2022
Stream - Physical Science
Ananda Collage, Colombo 10

BSC (HONS) IN INFORMATION TECHNOLOGY SPECIALIZATION: SOFTWARE ENGINEERING
Sri Lanka Institute of Information Technology (SLIIT)
Gpa - 3.24
Expected graduation -2027

SKILLS SUMMARY

- Programming Languages: Java, Python, JavaScript
- Web Development: HTML, CSS, MERN Stack, Springboot
- Mobile App Development: Android Studio
- UX/UI Design: Figma
- Databases: MongoDB, MYSQL
- Tools/Platforms: GIT, GITHUB, Visual Studio Code, Jupyter Notebook, Trello
- Soft skills: Problem-solving, Team collaboration, Critical thinking, Communication, Adaptability

PROJECTS

AIRPORT SERVICES MANAGEMENT WEB APPLICATION | LINK   **March 2025- May 2025**
Full-Stack Development | Team Project | SLIIT
Tech Stack: MongoDB, Express.js, React.js, Node.js (MERN), TypeScript

A full-stack web application designed to streamline airport operations and enhance passenger experience. It integrates modules such as flight and air taxi booking, real-time flight tracking, transport and vehicle management, restaurant pre-reservation with food ordering, duty-free shopping, lost and found management, and a currency converter with exchange rate lookup.
- Developed flight booking, air taxi booking, and real-time flight status tracking modules.
- Built RESTful backend APIs using Node.js and Express.js for booking and live flight data management.
- Designed and implemented MongoDB schemas to store and retrieve booking and status information efficiently.
- Built frontend interfaces using React, TypeScript, and for booking workflows and live dashboards.
- Integrated with real-time external flight data APIs to keep flight status updates accurate and live.

REAL ESTATE BUY & SELL MOBILE APP | LINK   **March 2025**
Mobile App Development | Individual Project | SLIIT
Tech Stack: Android Development, Kotlin, Android Studio, Figma, UI/UX Design

- Developed a mobile app connecting real estate buyers and sellers through an intuitive interface.
- Implemented property browsing with location mapping and direct seller contact integration.
- Designed smooth and engaging UI/UX using Figma for seamless user navigation.
- Added search and filter functionalities to improve property discovery.
- Integrated an affordability index calculator to assist users in making financially informed decisions.

ML-BASED SENTIMENT ANALYSIS SYSTEM | LINK   **January 2025**

Machine Learning Development │ Individual Project

Tech Stack: Python, Flask, NumPy, NLTK, Scikit-learn, Pandas, Matplotlib, Azure, GitHub

- Developed a sentiment analysis system to classify customer feedback as positive or negative for actionable business insights.
- Handled data preprocessing using NumPy, Pandas, and NLTK for text cleaning and feature extraction.
- Trained a Logistic Regression model using Scikit-learn for binary sentiment classification.
- Built a real-time prediction pipeline with Pickle for seamless model deployment.
- Created and deployed a Flask-based web app with an interactive UI, hosted on Azure, using GitHub for version control.

EMPLOYEE MANAGEMENT SYSTEM | LINK   **January 2025**

Full-Stack Development │ Individual Project

Tech Stack: Springboot, React.js, MySQL

- Developed a full-stack Employee Management System to manage employee data and streamline operations.
- Built a responsive, user-friendly interface using React for smooth navigation and modern design.
- Implemented secure RESTful APIs with Spring Boot to handle backend and frontend communication.
- Designed efficient MySQL database schemas for storing and managing employee records.
- Created modular and reusable React components to ensure scalability and maintainability.
- Focused on delivering a seamless user experience with clean architecture and responsive design.

CERTIFICATIONS

FUNDAMENTALS OF DEVOPS ON AWS | CERTIFICATION

Simplilearn, Issued May 2025

AWS FOUNDATIONS: MACHINE LEARNING BASICS | CERTIFICATION

Simplilearn, Issued January 2025

PYTHON FOR BEGINNERS | CERTIFICATION

Simplilearn, Issued January 2025

LEARNING DATA SCIENCE: UNDERSTANDING THE BASICS | CERTIFICATION

LinkedIn Learning, , Issued Jan 2025

MONGODB FUNDAMENTALS | CERTIFICATION

MongoDB University, Issued Jan 2025

INTRODUCTION TO SQL | CERTIFICATION

Sololearn, Issued Jan 2024

REFREES

- **Dr.KAPILA DISSANAYAKE**
  Senior Lecture (Higher Grade),
  Sri Lanka Institute of Information Technology,
  Malabe.
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- **Dr. P D MUNASINGHE**
  Senior Lecturer,
  University of Moratuwa,
  Sri Lanka.
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