Sethum Gelaka Ruberu

Full Stack and Software Engineer Intern

Motivated and passionate Computer Science undergraduate with a solid foundation in full-stack development, software engineering, and AI-driven applications. Proficient in web and mobile development, machine learning, and backend engineering. Demonstrates hands-on experience in building scalable, efficient, and innovative solutions, with a strong willingness to learn, adapt, and grow in collaborative, real-world environments.

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EDUCATION

BSc Hons in Computer Science   **2023 - Present**
Informatics Institute of Technology

Currently pursuing a Bachelor of Science (Hons) in Computer Science at the Informatics Institute of Technology (IIT), affiliated with the University of Westminster.

Foundation in Computing   **2022 - 2023**
Informatics Institute of Technology

Completed a comprehensive foundation program in computing, developing essential skills required for advanced studies in computer science.

Primary and Secondary   **2011 - 2022**
Central College Piliyandala

Achieved 9 A's in the GCE Ordinary Level Examination, demonstrating strong analytical and problem-solving abilities.

PROJECTS

AI Based Mock Interview Platform

Developed an AI-powered mock interview platform that enables users to practice interviews with real-time feedback, while providing companies with tools to simulate their hiring processes and streamline candidate evaluation through personalized analytics and communication skill assessments.

Tech Stack: React Js, Tailwind CSS, Python, FastAPI, MongoDB, NLP, LLM

Machine Learning Model for Breast Cancer Patients

Developed and optimized multiple machine learning models to predict breast cancer. Focused on accuracy through hyperparameter tuning and classifier comparison. Deployed the solution via Google Colab with real-time visualizations.

Tech Stack: Logistic Regression, KNN, Naïve Bayes, Hyperparameter tuning, Decision Tree, Clustering

Real-Time Event Booking & Ticketing System

Built a real-time event booking and ticketing system that dynamically manages ticket sales, seat availability, and reservations. Built a real-time ticketing system with dynamic seat management and transaction handling. Optimised backend for performance and user experience.

Tech Stack: Java, OOP, React Js, Bootstrap, Spring Boot, MySQL

Books Store Backend

Built a RESTful API for a bookstore management system using JAX-RS, supporting book listings, author and customer management, cart operations, and order processing with in-memory data storage and JSON communication. Focused on clean architecture and scalability.

Tech Stack: Java, Restful API, Postman

KeyNest Estate Agent Application

Developed an estate agent web application that enables users to browse, filter, and manage property listings. Implemented features such as property searches by type, price, location, and bedrooms, including a drag-and-drop favorites system for an enhanced user experience.

Tech Stack: React Js, Vite, Bootstrap, Tailwind CSS

ACHIEVEMENTS

All Island School Badminton Tournament – Runner-Up in 2017 & 2018, Champion in 2019 (Sri Lanka Badminton Association)

Inter-University Badminton Championship – Runner-Up in 2023

REFERENCES

Mr. Danishka Navin
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