SASANKA GALLAGE

Full-Stack Web Developer

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GitHub https://github.com/sigallage

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ABOUT ME

Highly motivated and enthusiastic first-year Computer Science student with a solid foundation in programming, web development, and API technologies. Passionate about problem-solving, software development,and continuous learning. Seeking opportunities to apply technical skills in a dynamic environment while gaining hands-on experience in the field. Eager to contribute, learn, and grow as a developer.

EDUCATION

Informatics Institute of Technology
2024-2028

BSc (Hons) in Computer Science

Learned core modules Software Development, Web design & development Trend in Computer Science, Computer System Fundamentals & Mathematics for Computing

Musaeus College
2009-2022

GCE A/L's Physical Science Stream

Obtained 3C's for Combined Maths, Physics & Chemistry,

CERTIFICATIONS

Microsoft AI 900 Fundamentals
Credential URL https://www.credly.com/badges/fc9cc40e-00fc-4b90-8b9a-752c713c9640/linked_in_profile

Postman API Student Fundamentals - Postman
January 2025
Credential ID 67939010983dfe13096aa304

Python GUI Development with Tkinter
January 2025
Credential ID   9054e119563f549e1eac9f7c634a9f9e22deb19d681c1c4d39b1c36b0f9a35c5

Web Design for Beginners
November 2024
Credential ID pcqUAceczW

Python for Beginners
September 2024
Credential ID ZlpQxKtGaT

PROJECTS

Traffic Data Analysis System
Developed a program to analyze traffic flow data collected from local road junctions. Allowed users to select and analyze specific CSV datasets based on date. Summarized traffic flow data for council decision-making. Implemented features to save results as a text file and visualize data using a histogram.
Technologies &Tools Used: Python, Tkinter, PyCharm

Health & Well-being According to SDGs
Developing a front-end website focused on health and well-being based on Sustainable Development Goals
Technologies & Tools Used: HTML, CSS, Javascript, VS Code

GainsLog(Ongoing Project)
GainsLog is a full-stack fitness tracking web application that helps users log workouts, track progress, and generate AI-powered workout plans tailored to their fitness level and experience. The app integrates Google authentication, MongoDB for data storage, and HuggingFace API to generate personalized workout plans.
Technologies & Tools Used: React, HTML, CSS, NodeJS, ExpressJS, Auth0, VS Code

Mini Job Board
Mini Job Board is a full-stack web application that allows users to browse and filter job listings, while administrators can securely log in, post new jobs, and manage postings through a dedicated dashboard. The app includes real-time form validation, responsive design, and secure authentication using JWT. PostgreSQL handles data persistence, and the interface is built with a clean, modern design using Tailwind CSS.
Technologies & Tools Used: Next.js, React, JavaScript (JSX), Tailwind CSS, Node.js, Express.js, PostgreSQL, Prisma, JWT Authentication, Visual Studio Code

SKILL

Personal

Management Skills
Time Management
Negotiation
Critical Thinking
Communication Skills
Leadership

Professional

HTML	NextJS
CSS	PostgreSQL
Javascript	Tailwind CSS
ReactJS	JWT
ExpressJS	
NodeJS	
Angular	

EXTRACURRICULAR ACTIVITIES

MoraXtream 9.0 Certificate of Participation
November 2024

IEEE Xtream 18.0 – Certificate of Participation
October 2024

COMMITEES

IEEE Student Branch of IIT
September 2024 - Present