

Sasanka Gallage

Full-Stack Web Developer

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Education

BSc (Hons) in Computer Science	2024 – 2028
Informatics Institute of Technology, Colombo	Sri Lanka
GCE A/L Physical Science Stream	2022
Musaeus College, Colombo	Sri Lanka
Results: 3C's (Combined Maths, Physics, Chemistry)	

Technical Skills

Languages:	HTML, CSS, JavaScript (ES6+), Python, SQL
Frameworks/Libraries:	React.js, Next.js, Angular, Express.js, Node.js, Tailwind CSS
Databases/Tools:	PostgreSQL, MongoDB, Prisma
Deployment/Tools:	Vercel, Railway, Auth0, Git/GitHub, VS Code, PyCharm

Projects

- **GainsLog — Full-Stack Fitness Tracker** [GitHub](#)
React, Node.js, Express.js, MongoDB, Auth0, OpenAI GPT-3.5-turbo
 - Developing a comprehensive fitness application for workout logging and nutrition tracking with personalized user profiles.
 - Built responsive frontend with React Router navigation and integrated Auth0 for secure user authentication and authorization.
 - Implemented AI-powered workout and recipe generators using OpenAI GPT-3.5-turbo for personalized fitness and nutrition recommendations.
 - Designed intuitive UI components with profile management, workout logging, and nutrition monitoring features for enhanced fitness tracking experience.
- **MoneyMate — Group Expense Tracker (in progress)** [GitHub](#)
React, Node.js, Express.js, MongoDB, Auth0, Chart.js
 - Developing a comprehensive budget tracking application for expense management and group financial collaboration with personalized user profiles.
 - Built responsive frontend with React Router navigation and integrated Auth0 for secure user authentication and authorization.
 - Implemented real-time expense tracking and splitting functionality using MongoDB for data persistence and Express.js API endpoints.
 - Designed intuitive UI components with glassmorphism effects, interactive charts, and group management features for enhanced financial tracking experience.
 - Created advanced analytics dashboard with Chart.js visualizations for spending patterns, category breakdowns, and monthly trends analysis.

- **Mini Job Board — Full-Stack Web Application**

[GitHub](#)

Next.js, Tailwind CSS, Node.js, Express.js, PostgreSQL, Prisma, JWT

- Developing a comprehensive job board application for public job browsing and administrative job management with secure authentication system.
- Built responsive frontend with React Router navigation and integrated JWT for secure admin authentication and authorization.
- Implemented full-stack job posting and management system with PostgreSQL database integration for scalable data storage and retrieval.
- Designed intuitive UI components with Tailwind CSS styling, animated buttons, and responsive design for enhanced user experience across devices.

- **MailSweeper — Email Management Application**

[GitHub](#)

React, Node.js, Express.js, Gmail API, OAuth 2.0, Railway, Vercel

- Developed a comprehensive email management application for Gmail account cleanup and organization with personalized user authentication and batch email operations.
- Built responsive frontend with React Router navigation and integrated Gmail OAuth 2.0 for secure user authentication and authorization.
- Implemented advanced email filtering and search capabilities using Gmail API for efficient sender-based email management and bulk deletion operations.
- Designed intuitive UI components with email preview, search functionality, and batch selection features for enhanced email management experience.
- Deployed full-stack application with Railway backend hosting and Vercel frontend deployment, implementing CORS configuration for cross-origin authentication flow.

Certifications

- Microsoft AI 900 Fundamentals
- Postman API Student Fundamentals (Jan 2025)
- Python GUI Development with Tkinter (May 2025)

Leadership & Activities

- Led a 4-member team in the group project for the core module *Web Design & Development* (2024).
- Team Leader, MoraXtream 9.0 Hackathon (Nov 2024).
- Team Leader, SLIIT DevQuest Hackathon (Aug 2025).
- Participant, IEEE Xtream 18.0 Hackathon (Oct 2024).
- Member, IEEE Student Branch of IIT (Sep 2024 – Present).