

HASINTHA GUNAWARDANA

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https://github.com/HasinthaM Malabe, Sri Lanka

SUMMARY

IT undergraduate with expertise in software development, AI-powered optimization, Cloud Computing and DevOps. Skilled in Java, React.js, and database management, with experience in building scalable web applications.

PROJECTS

Academic Scheduler

- Developed a full-stack Academic Scheduler using React.js for dynamic UI, Django REST Framework for scalable APIs, and integrated PostgreSQL, Axios, and TailwindCSS for efficient data handling, room allocation, instructor management, and conflict resolution.
- Spearheaded the development of the Smart Scheduling Assistant an innovative feature that analyzes existing schedules to recommend optimal time slots and resources for new events, minimizing instructor and room conflicts.
- Engineered intelligent logic to validate and suggest time slots based on instructor and room availability. The system proactively resolves conflicts by offering alternative scheduling options when preferred resources are unavailable.
- Repository : [Academic Scheduler](#)

JournyX- Tourism Management System

- Developed an innovative web-based application utilizing ReactJS with Material-UI, Node.js, Express, and MongoDB using Mongoose ODM, ensuring efficient data management and retrieval.
- Partnered with HR administrators to design and implement critical features for employee data management, leave request processing, and performance tracking, achieving a 30% improvement in data accuracy and a 20% reduction in processing time.
- Utilized Agile Kanban methodology to optimize task prioritization and project management, boosting team productivity by 25% and ensuring on-time delivery of project milestones.
- Coordinated planning, scheduling, and resource allocation to maximize project efficiency and successfully achieve defined goals.
- Repository : [JournyX](#)

Online Video Browsing System

- Developed a robust Admin Panel using Java, HTML, CSS, and MySQL, leveraging the MVC architecture for enhanced modularity and maintainability.
- Applied Object-Oriented Programming (OOP) principles to develop scalable and maintainable features, reducing code redundancy by 30% and improving system performance.
- Utilized Git for version control and implemented Kanban methodology, improving project progress efficiency by 20% and enhancing team collaboration through streamlined task prioritization.
- Repository : [Admin Panel](#)

Online Shopping Mall

- Designed and developed Home, Category, and Feedback pages using HTML, CSS, JavaScript, and PHP, ensuring a responsive and user-friendly interface across all platforms.
- Ensured responsive design and seamless user experience through efficient front-end and back-end integration.
- Repository : [Shopping Mall](#)

EDUCATION

Bachelor of Science in Information Technology Specializing in Information Technology
[Sri Lanka Institute of Information Technology](#)
06/2022 - Present Malabe, Sri Lanka

TECHNICAL SKILLS

Java	C	C++	Python	HTML5
CSS	JavaScript	ReactJS		
Tailwind CSS	Material UI			
NodeJS	ExpressJS	Spring Boot		
PHP	MYSQL	PostgreSQL		
MongoDB				
Cloud Computing Fundamentals	AWS			
Docker	ETL & ELT			
Data Structures and Algorithms				
OOP Principles				

CERTIFICATIONS

Cloud Computing 101
AWS
AWS ECS
KodeKloud
Docker Training Course
KodeKloud
SQL Programming
National Association of State Boards of Accountancy (NASBA)
Python
University of Moratuwa
Microsoft Azure Cloud Fundamentals (Basic Certification)
Microsoft Azure