MANUL BANDARA

ASSOCIATE SOFTWARE ENGINEER | FULL STACK DEVELOPER

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ABOUT ME

Final-year IT undergraduate with internship experience in enterprise software development at Sri Lanka Telecom and hands-on expertise in building AI-driven applications and scalable full-stack systems. Skilled in React, Python, PHP, MySQL, and cloud technologies, with proven ability to deliver production-ready solutions. Seeking an Associate Software Engineer role to apply technical expertise, solve real-world problems, and contribute to innovative development teams.

SKILLS

Technical: JavaScript, React, Node.js, Java, PHP, Python, C++
Databases & Cloud: MySQL, MongoDB, Firebase, AWS
Soft Skills: Problem-Solving, Team Collaboration, Communication, Time Management

WORK EXPERIENCE

Intern Software Engineer – Sri Lanka Telecom PLC   **Dec 2023 - Jun 2024**

- Developed and maintained enterprise web modules using PHP and MySQL to streamline internal data workflows.
- Collaborated with a team of engineers in Agile sprints, used GitHub for branching, code reviews, and issue tracking.
- Applied industry-standard practices to deliver reliable software solutions.
- Wrote reusable components and improved code quality through refactoring and documentation.

PROJECTS

TripMate – AI-Powered Travel Planning App
- Tech Stack: React Native, Node.js, Python, Firebase, ML/NLP
- Built an AI-driven mobile app that generates personalized travel itineraries based on user preferences.
- Implemented ML/NLP models to generate personalized travel itineraries from user inputs
- Designed Python-based back-end services to integrate AI models with the mobile application.

ShopHub.lk – Shopping Mall System
- Tech Stack: MERN (MongoDB, Express.js, React, Node.js)
- Developed a scalable web application supporting 24/7 online shopping for Sri Lankan retailers and customers.
- Built core e-commerce flows: product catalog, cart, checkout, and order management.
- Optimized API endpoints and state management, improving system reliability and responsiveness.

Manufacturing Management System
- Tech Stack: MERN (MongoDB, Express.js, React, Node.js)
- Developed a dynamic order and production management system for a T-shirt manufacturer.
- Automated order fulfillment and operational workflows, reducing manual processing delays.
- Implemented role-based access control and reporting dashboards to improve visibility for managers.

EDUCATION

BSc (Hons) in Information Technology – Sri Lanka Institute of Information Technology (2021 – Present)

School – S. Thomas' College, Bandarawela (2005 – 2018)