Navodya Manamendra

Sri Lanka

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About Me

Full-Stack Developer currently pursuing a BSc (Hons) in Information Technology at SLIIT, with hands-on experience in the MERN stack (MongoDB, Express.js, React.js, Node.js) and Spring Boot. Skilled in front-end and back-end development focused on building responsive, user-centered web applications. Familiar with Object-Oriented Programming and fundamental data structures. Exploring Artificial Intelligence and Machine Learning for future integration. Committed to writing clean, maintainable code and staying up-to-date with modern development tools and best practices.

Technical Skills

- **Languages:** JavaScript, TypeScript, Java, Python, PHP, C

- **Front-End:** React.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Framer Motion

- **Back-End:** Node.js, Express.js, Spring Boot, Socket.io

- **Databases:** MongoDB, MySQL, SQLite

- **Tools:** Git, GitHub, GitHub Actions, Postman, AWS (basic)

- **Security:** JWT Authentication, OAuth 2.0, Role-based Access Control

- **Architecture:** RESTful APIs, MVC, Microservices (basic)

- **Mobile:** Android SDK, Kotlin

- **Design:** Figma, Responsive Design, Accessibility Optimization

- **Concepts:** Object-Oriented Programming, Data Structures

Project Experience

- **Issue Tracker Application**
  Full-stack web app managing issues with user authentication and CRUD functionality. Frontend deployed on Netlify; backend on Render.

Stack: MERN, Tailwind CSS, JWT.
GitHub: https://github.com/manamendraJN/issue-tracker
Live: https://issuesync.netlify.app/

- **Hand Gesture Control**
  Python-based system controlling mouse via right-hand gestures using webcam, including full-screen movement and click actions.
  Stack: Python, OpenCV, MediaPipe, PyAutoGUI.
  GitHub: https://github.com/manamendraJN/HandGestureControl

- **Remote Work Collaboration System**
  Team project management platform with live chat and Smart Workload Balancer for automated task assignment.
  Stack: MERN, Tailwind CSS, Socket.io, JWT.
  GitHub: https://github.com/manamendraJN/Collab-Hub

- **SkillSphere – Skill Sharing Platform**
  Interactive platform for skill learning and teaching with real-time Q&A and progress tracking.
  Stack: Spring Boot, React, Tailwind CSS, JWT.
  GitHub: https://github.com/manamendraJN/SkillSphere

- **Warehouse Management System**
  Inventory tracking with employee management, shift planning, and secure login via JWT.
  Stack: MERN, Tailwind CSS, JWT.
  GitHub: https://github.com/Shiranakther/Warehouse_Management_Syatem

- **Notes App (Mobile)**
  Android app for personal note-taking with local storage.
  Stack: Kotlin, SQLite.
  GitHub: https://github.com/manamendraJN/Notes_App_with_SQLite

- **Portfolio Website**
  Modern portfolio with responsive layout and 3D elements.
  Stack: React, TypeScript, Framer Motion, Tailwind CSS.
  GitHub: https://github.com/manamendraJN/NavodyaPortfolio
  Live: https://manamendrajn.github.io/NavodyaPortfolio/

- **MERN-Estate — Real Estate Application (Ongoing)**
  Property listing app with search, filters, and secure login.

Stack: MERN, Tailwind CSS, JWT.

GitHub: https://github.com/manamendraJN/mern-estate

Education

BSc (Hons) in Information Technology

Sri Lanka Institute of Information Technology (SLIIT) — Oct 2022 to Present

Certifications

- AI/ML Engineer — SLIIT

- Python (Basic) — Sololearn

- SQL (Basic) — HackerRank

- React (Basic) — HackerRank

- Java (Basic) — HackerRank

- JavaScript (Basic) — HackerRank

Languages

- Sinhala: Native

- English: Fluent

Personal Values

Creative Thinker | Detail-Oriented | Quick Learner | Innovation-Focused