

# MANOJA SOMARATHNA

LinkedIn — GitHub — Portfolio

Full Stack Developer

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## SUMMARY

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Motivated and detail-oriented Full Stack Developer Intern with hands-on experience in building responsive,web applications. Skilled in HTML, CSS, JavaScript, React.js, Java, Spring Boot, Node.js, Express.js, MySQL, and MongoDB. Strong understanding of software engineering principles, RESTful API development, and cloud deployment using AWS and Google Cloud. Experienced in creating user-friendly interfaces, integrating APIs, and improving system performance. Passionate about problem-solving, learning new technologies, and contributing to real-world full stack development projects.

## EDUCATION

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<b>BSc (Hons) in Computing (Software Engineering)</b> National Institute of Business Management (NIBM), Colombo 07	March 2023 - March 2027
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<b>Higher National Diploma in Software Engineering</b> National Institute of Business Management	March 2024 - April 2025
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<b>Diploma in Software Engineering</b> National Institute of Business Management	March 2023 - March 2024
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**Relevant Coursework:** Object-Oriented Programming, Data Structures and Algorithms, Database Management Systems, Software Engineering, Web Development, Computer Networks, Operating Systems, Information Systems Analysis and Design, Software Project Management

## TECHNICAL SKILLS

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<b>Frontend:</b>	HTML, CSS, JavaScript, TypeScript, Angular, React.js, Bootstrap, Tailwind CSS
<b>Backend:</b>	Node.js, Java (Spring Boot)
<b>Databases:</b>	MySQL, MongoDB, Firebase
<b>API Development:</b>	REST API
<b>Version Control:</b>	Git, GitHub
<b>Tools:</b>	Postman, IntelliJ IDEA, VS Code
<b>Cloud Deployment:</b>	AWS (EC2), Google Cloud

## SKILLS AND INTERESTS

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<b>Interests</b>	Reading, Traveling, Coding, Learning New Programming Languages
<b>Soft Skills</b>	Problem-Solving, Time Management, Communication Skills, Adaptability, Continuous Learning

## PROJECTS

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### PlanMyTrip – AI Travel Planning App

- Developed Android app with AI-driven budget management and personalized travel recommendations using Kotlin/Java and Firebase
- Integrated Google Places API and Gemini API for real-time destination and cost data
- Improved app performance, reducing load times by through optimized React components
- Future features: collaborative planning and booking integration

### Clinic Management System

- Built Android app to manage clinic operations, appointments, and patient records using Java/Kotlin and Firebase
- Implemented patient registration, appointment management, and reporting features
- Reduced scheduling errors by through automated reminders

### ERP System

- Developed complete ERP solution for customer and item management using PHP, MySQL, Bootstrap, HTML, CSS, JS
- Implemented invoice generation, reporting, and responsive UI
- Improved data retrieval efficiency by through optimized SQL queries

### WorkNest – Service Booking Android App

- Developed service booking app connecting users with local providers using Java, Firebase, and Android Studio
- Implemented user authentication, live location integration, and booking management
- Increased booking efficiency by with streamlined workflows
- Integrated WhatsApp support for seamless customer communication

## CERTIFICATES

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Oracle Cloud Infrastructure 2025 - AI Foundations Associate (Oracle University)	October 2025
Basics and Structure of Java Programming (Alison)	October 2025
Database Foundations - Final Exam (Oracle Academy)	August 2024

## EXTRA-CURRICULAR

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- Member – NIBM IT Club
- Volunteer – NIBM Events and Workshops
- Participant – NIBM Hackathons / CodeFests

## DECLARATION

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I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

## REFERENCE

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**Mr. R. G. V. Pathirana**

Consultant — Lecturer

School of Computing Engineering

National Institute of Business Management

Meng.(AIT), BSc(Hons) Eng.(AIT), reading MBA (UOP), MIEE

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