

# MANOJA SOMARATHNA

LinkedIn — GitHub — Portfolio

Software Engineer Intern

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## SUMMARY

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Motivated and detail-oriented AI Engineering Intern with strong foundations in Python, machine learning concepts, and data-driven application development. Experienced in integrating AI APIs, working with cloud platforms, and building intelligent systems. Passionate about applying AI and software engineering skills to real-world problems, learning production-grade AI practices, and contributing to impactful technology solutions.

## EDUCATION

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**BSc (Hons) in Computing (Software Engineering)** March 2023 - March 2027  
National Institute of Business Management (NIBM), Colombo 07

**Higher National Diploma in Software Engineering** March 2024 - April 2025  
National Institute of Business Management

**Diploma in Software Engineering** March 2023 - March 2024  
National Institute of Business Management

**Relevant Coursework:** Object-Oriented Programming, Artificial Intelligence Fundamentals, Data Structures and Algorithms, Database Management Systems, Software Engineering, Web Development, Computer Networks, Operating Systems, Information Systems Analysis and Design, Software Project Management, Cloud Computing

## TECHNICAL SKILLS

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<b>Frontend:</b>	HTML, CSS, Java, JavaScript, Python, Angular, React.js, Bootstrap, Tailwind CSS
<b>AI / Machine Learning:</b>	Machine Learning Basics, Data Preprocessing, Model Training Concepts
<b>Frameworks Libraries:</b>	scikit-learn (basic), TensorFlow / PyTorch (learning)
<b>Backend:</b>	Node.js, Java (Spring Boot)
<b>Databases:</b>	MySQL, MongoDB, Firebase
<b>API Development:</b>	REST API
<b>Cloud DevOps:</b>	Git, GitHub
<b>Tools:</b>	Jupyter Notebook / Google Colab, VS Code, Postman

## SKILLS AND INTERESTS

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<b>Interests</b>	Machine Learning, Cloud Technologies, Automation Systems, Coding, Data Science, AI
<b>Soft Skills</b>	Problem-Solving, Time Management, Communication Skills, Adaptability, Continuous Learning

## PROJECTS

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### PlanMyTrip – AI Travel Planning App

- Developed an AI-assisted travel planning application using Gemini API for personalized travel recommendations and budget optimization
- Implemented real-time data integration using Google Places API for location intelligence
- Designed AI-driven logic to improve user experience and automated planning workflows
- Worked with Firebase backend and cloud deployment concepts
- Improved application performance and API response handling

### 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 (Backend, Data Management Project)

- Designed database-driven backend systems with optimized SQL queries
- Built scalable APIs for data handling and reporting
- 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
Java Programming - Java basics, OOP concepts, practical coding (Educba)	December 2025
AWS Developer Fundamentals - JWS Core Services, Cloud Computing Basics, Deployment Fundamentals (Great Learning)	Jan 2026

## 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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### Dr. Thisara Weerasinghe

Head of Computer Science

National Institute of Business Management

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