

MANOJA SOMARATHNA

LinkedIn — GitHub — Portfolio

Software Engineer Intern

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SUMMARY

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

BSc (Hons) in Computing (Software Engineering) National Institute of Business Management (NIBM), Colombo 07	March 2023 - March 2027
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Higher National Diploma in Software Engineering National Institute of Business Management	March 2024 - April 2025
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Diploma in Software Engineering National Institute of Business Management	March 2023 - March 2024
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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

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

SKILLS AND INTERESTS

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

PROJECTS

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

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
AWS Cloud Practitioner Essentials - Gained knowledge in cloud computing, core AWS services, security, and pricing models. (AWS Training Certification)	Jan 2026

EXTRA-CURRICULAR

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

DECLARATION

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

REFERENCE

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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