

# Manula Kavinda

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📄 <https://github.com/ManulaK>

📍 Western Province, Sri Lanka

🌐 <https://portfolio-eta-pied-97.vercel.app/>

## SUMMARY

A **Software Engineer** with **2 years** of experience in full-stack development across full-time roles and an internship. Proficient in JavaScript, Java, SQL, Python, and technologies including ReactJS, Next.js, Node.js, Express, Flutter, Android, and more. **Completed 20+ projects**, spanning web, mobile, and backend. Well-versed in SDLC, Agile/Scrum, CI/CD pipelines, and version control. Skilled at troubleshooting and optimizing software performance, with a strong ability to adapt quickly, learn continuously, and collaborate effectively in diverse teams.

## WORK EXPERIENCE

### Associate Software Engineer

June 2024 – June 2025

**Orel Group (Pvt) Ltd**, Colombo, Sri Lanka

- Led 3–4 projects focused on front-end (ReactJS, NextJS), mobile (Flutter), and backend development using Node.js, Express, TypeScript, and microservices architecture.
- Took ownership of key software modules, driving improvements in performance, stability, and scalability.
- Collaborated with cross-functional teams to design and implement reusable components and features.
- Mentored junior developers and interns, promoting best practices and code quality.
- Ensured adherence to Agile methodologies, CI/CD pipelines, and version control for high-quality deliverables.
- Utilized AI tools to enhance development workflows and improve software quality.

### Trainee Software Engineer

September 2023 – June 2024

**Orel Group (Pvt) Ltd**, Colombo, Sri Lanka

- Supported senior engineers in planning, designing, implementing, and testing software modules focused on front-end (ReactJS) and mobile applications (Flutter).
- Assisted in debugging and resolving software issues to enhance system reliability and user satisfaction.
- Actively learned and applied emerging technologies and development methodologies.
- Participated in code reviews and improved code quality and maintainability.
- Gained hands-on experience in Agile workflows, version control, and collaborative project environments.

### Intern Software Engineer

March 2023 – September 2023

**Axcer Innovations**, Colombo, Sri Lanka

- Focused on full-stack development, emphasizing API integration and collaborating on UI design.
- Adhered to software development best practices, including version control, automated testing, and code reviews, enhancing code quality and maintainability.
- Identified and resolved critical bugs, reducing system crashes, and enhanced problem-solving skills and adaptability in a dynamic environment.

## SKILLS

**Programming Languages:** JavaScript, TypeScript, Java, Kotlin, Python, Swift, Dart, SQL, C#

**Frameworks & Technologies:** ReactJS, Next.js, Node.js, Express.js, ASP.NET Core, Flutter, Android SDK, SwiftUI, Flask, Strapi, LangChain, Prisma, HTML, CSS, RESTful APIs, GraphQL, WebSockets

**Frontend UI Libraries:** Ant Design, shadcn/ui, Charaka, Material UI (MUI), Tailwind CSS, Bootstrap

**Databases:** MongoDB, PostgreSQL, MySQL, Firebase.

**Cloud Services:** Azure, Azure DevOps

**Tools & Platforms:** Git, GitHub, Postman, VS Code, Android Studio, Xcode, CI/CD Pipelines, Figma

**DevOps & Project Practices:** Agile (Scrum/Kanban), DevOps Principles, SDLC, Test-Driven Development (TDD), Code Reviews, Project Management Tools (Jira, Trello)

**Core Computer Science:** Data Structures, Algorithms, Object-Oriented Design, Software Design Patterns, System Architecture, Microservices

**AI & Modern Tech:** Integration of LLMs (Large Language Models) and RAG (Retrieval-Augmented Generation) using LangChain, AI-assisted development, and prompt engineering

## EDUCATION

### BSc (Hons) in Information Technology Specializing in Software Engineering

February 2021 – March 2025

**Sri Lanka Institute of Information Technology**, New Kandy Rd, Malabe, Sri Lanka

Classification: Second Division Class

## RESEARCH EXPERIENCE

### Enhancing Environmental Awareness for Hard of Hearing Individuals: A Mobile Application Approach

February 2024 – December 2025

**Sri Lanka Institute of Information Technology**

Accepted for publication in Springer Nature as part of the proceedings of the 10th International Congress on Information and Communication Technology (ICICT 2025), London, UK.

### Management Optimization Solution for Fashion Retail System

June 2023 – November 2023

**Sri Lanka Institute of Information Technology**

Focused on optimizing inventory and order management for fashion retail businesses using data-driven decision-making approaches.

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