

Manula Kavinda

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SUMMARY

Versatile **Software Engineer** with nearly **2 years** of progressive experience as an intern, trainee, and associate. Proficiency in mobile and full-stack application development, producing reliable software solutions that prioritize user expectations. Demonstrates skills in JavaScript, Java, Python, and various technologies, including ReactJS, NodeJS, Flutter, and Android. Effectively applies agile methodologies and DevOps practices. Proven ability to troubleshoot and resolve software defects, ensuring smooth operations. Adept at continuous learning and staying updated on best practices in software development. Seeking to use technical experience and innovative problem-solving abilities to drive successful projects in a collaborative environment.

WORK EXPERIENCE

Associate Software Engineer

Orel Corporation (Pvt) Ltd

September 2023 – June 2025, Orel Park, Meegoda, Sri Lanka

- Led and collaborated on over 5–6 internal and external projects, focusing on front-end and mobile development, contributing to the achievement of company goals, and enhancing employee satisfaction.
- Continuously learned and successfully adopted emerging technologies, improving software performance and stability.
- Planned, designed, implemented, and tested software modules in collaboration with senior engineers, ensuring seamless integration and functionality across the organization.
- Adhered to best practices in software development and project management, delivering high-quality enterprise modules.

Intern Software Engineer

Axcer Innovations

March 2023 – September 2023, 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.

EDUCATION

BSc (Hons) in Information Technology Specializing in Software Engineering

Sri Lanka Institute of Information Technology • New Kandy Rd, Malabe, Sri Lanka • 2025

Classification: Second Division Class

Diploma in Information Technology with E-Commerce

ESOFT Metro Campus • Colombo, Sri Lanka • 2020

Diploma in English

ESOFT Metro Campus • Colombo, Sri Lanka • 2020

GCE Advanced Level

President College • Minuwangoda, Sri Lanka • 2019

Stream: Engineering Technology; **Medium:** Sinhala

GCE Ordinary Level

St. Peter's College • Negombo, Sri Lanka • 2016

Medium: English

SKILLS

Programming Languages: JavaScript, Typescript, Java, Kotlin, Python, SQL, Swift, Dart.

Technologies: HTML/CSS/, ReactJS, NextJS, NodeJS/Express, Flutter, Android, SwiftUI, Flask, REST, GraphQL, Web Sockets.

Databases: MongoDB, PostgreSQL, MySQL, Firebase.

Version Controlling: Git, GitHub, Azure DevOps.

DevOps Principles and Strategies.

Projects Management, Agile Methodologies.

Strong understanding of data structures, algorithms, and Design principles.

Integrating LLMs and RAG for enhanced AI-driven software solutions.

RESEARCH EXPERIENCE

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

Sri Lanka Institute of Information Technology • 2024
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 Retails System

Sri Lanka Institute of Information Technology • 2023
Focused on optimizing inventory and order management for fashion retail businesses using data-driven decision-making approaches.
Published in: Tuijin Jishu / Journal of Propulsion Technology (ISSN: 1001-4055, Vol. 44, No. 6, 2023)

CERTIFICATIONS

Finalist of "Microsoft APAC AI for Accessibility AI4A Hackathon 2023"

Sri Lanka Institute of Information Technology • 2023

Java Essential Training: Syntax and Structure

LinkedIn Learning • 2023

Learning Full-Stack JavaScript Development: MongoDB, Node, and React

LinkedIn Learning • 2023

Java Object-Oriented Programming

LinkedIn Learning • 2023

Programming Foundations: Algorithms

LinkedIn Learning • 2023

Certificate in Web Designing

Zonal Computer Resources Center Department of Education • 2017

Certificate in Programming

Zonal Computer Resources Center Department of Education • 2017

PROJECTS

i'Orel Enterprise Application Software

Orel Corporation Sri Lanka • i.orel.com • October 2023 - January 2025

Global E-Shop Web Application

Orel Corporation Sri Lanka • shop.orel.com • December 2024 - January 2025

"SENSEZ" - Mobile Application for Hard of Hearing Community

Sri Lanka Institute of Information Technology • January 2024 - November 2024

Retrieval Augmented Generation (RAG) Based Communication Helper Assistant

Sri Lanka Institute of Information Technology • January 2024 - November 2024

Enterprise E-Commerce Android Application

Sri Lanka Institute of Information Technology • September 2024 - October 2024

"DinoAR" - Mobile Application Enhanced by Augmented Reality

Sri Lanka Institute of Information Technology • May 2024 - June 2024

"EventMania" - Event Booking & Organizing IOS Application

Sri Lanka Institute of Information Technology • April 2024 - May 2024

"LittleDeveloper" - Learning Management IOS Application

Sri Lanka Institute of Information Technology • May 2024 - June 2024

"HealthCart" - Apple WatchOS Application

Sri Lanka Institute of Information Technology • May 2024 - June 2024

"QranLingo" - Quran Learning Management Mobile Application

Axcer Innovations Sri Lanka • April 2023 - August 2023