



# MANEKA PIYUMAWALI

## Software Engineer Intern

Maneka Piyumawali

Minuwangoda ,Sri Lanka

Manekapiyu

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My Portfolio

## PROFILE

Undergraduate in Computing and Information Systems at Sabaragamuwa University of Sri Lanka, specializing in Full-Stack Web Development. Proficient in Java, JavaScript, React, Node.js, Tailwind CSS, and MongoDB, with hands-on experience designing and developing scalable, responsive, and user-centric web applications. Passionate about applying innovative technologies to solve real-world challenges, while continuously enhancing technical, analytical, and problem-solving skills. Strong team player with a focus on clean code, usability, and performance optimization.

## EDUCATION

### BSc (Hons) in Computing and Information Systems

2023-Present

Sabaragamuwa University of Sri Lanka, 3<sup>rd</sup> Year

### G.C.E. Advanced Level Examination – Physical Science Stream

2021

Veyangoda Bandaranayake Central Collage , Veyangoda.

## EXPERIENCE

### School Leaver Trainee

2022 – 2023

### Regional Development Bank – Minuwangoda Branch

Gained hands-on experience in loan processing, rescheduling, and fixed deposit management at Regional Development Bank. Strengthened communication and problem-solving skills while maintaining accurate customer data in digital systems

## PROJECTS

### Smart Home Electricity Bill Tracker with AI Insights (Group)

2025

Develop a web-based application, VoltBuddy (Ceylon Power Tracker), that helps homeowners in Sri Lanka efficiently manage their electricity bills, track consumption patterns, and receive AI- driven insights to reduce electricity costs

**Tech Stack :** ReactJS, Next.js, Node.js, MongoDB

**Contribution:** Developed the Design user interfaces using Figma and the front-end and backend development of the project.

### Full Stack Task Management System(Individual)

2025-Present

Developing a complete task management system with separate Admin and Employee roles to streamline task assignment, tracking, and collaboration. Enabled efficient workflow through features like commenting, progress updates, and role-based access.

**Tech Stack:** Angular, Spring Boot, MySQL

### AI Voice Agent for Interview (Individual)

2025-Present

Implemented and deployed an AI-powered recruiter voice agent capable of creating and conducting job interviews with real-time voice interaction, automated question generation, and feedback analysis to streamline recruitment processes.

**Tech Stack:** ReactJS, Next.js, Vapi, Supabase

## MERN Stack Authentication System (Individual)

2025

Implemented a complete authentication system with secure user login, email verification, and OTP-based password recovery, improving overall account security and delivering a smooth, reliable user access experience.

**Tech Stack:** ReactJS, Tailwind CSS, Node.js, MongoDB, JWT

## Full Stack Food Delivery Website

2024

Delivered user authentication, shopping cart, and secure Stripe payments. Developed an admin panel to manage menu items, track orders, and update statuses in real-time. Enhanced UX with dynamic updates and responsive design while ensuring smooth, secure operations for users and admins.

**Tech Stack:** ReactJS, Next.js, Express, Node.js, MongoDB, Stripe

## TECHNICAL SKILLS

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- **Programming languages:** Java, JavaScript, TypeScript, HTML, CSS, Python
- **Frameworks and Libraries:** ReactJS, Angular, Next.js, Node.js, Express.js, Spring Boot, Tailwind CSS, Supabase
- **Databases:** MySQL, MongoDB
- **Technologies and Tools:** Visual Studio Code, IntelliJ IDEA, Git, GitHub, Postman, XAMP, Figma

## SOFT SKILLS

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- Team work
- Communication Skills
- Self Learning
- Problem Solving
- Project Management
- Time Management
- Adaptability
- Presenting

## CERTIFICATIONS

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- DITEC Diploma in Information Technology- ESOFT Metro Campus, Negombo (2021 - 2022) 
- Diploma in English Language & Literature – AQUINAS Collage of Higher Studies (2020 - 2022) 
- Participant, PixelWave Inter-University Digital Art Competition 2025 – General Sir John Kotelawala Defence University 
- Python Beginners-University of Moratuwa 
- Web Design for Beginners –University of Moratuwa 
- IT Essentials Course – Cisco Networking Academy 

## VOLUNTEERING EXPERIENCE

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- Program Team member – PearlHack 3.0, Sabaragamuwa University of Sri Lanka
- Knowledge Team member - Hope 2.0, IEEE WIE Student Branch Affinity Group, Sabaragamuwa University of Sri Lanka
- Volunteer – TECHTALK v1.0 – Society of Computer Sciences, Sabaragamuwa University of Sri Lanka

## REFERENCES

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### Prof. BTGS Kumara,

Professor in Computer Science,  
Faculty of Computing,  
Sabaragamuwa University of Sri Lanka.

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### Mrs. S. Adeeba

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