



MAHEEL LAKSHAN

B.Sc(Hon's) in Software Engineering (Second Upper Class)

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Portfolio: my-portfolio-maheel-lakshans-projects.vercel.app

SUMMARY

Highly enthusiastic and motivated software engineer with a strong interest in full stack web, mobile app, and AI/ML development. Passionate about learning new technologies and tackling challenges. A critical thinker with problem solving skills, enhanced by sports achievements that foster teamwork, discipline, and resilience.

SKILLS

Programming Languages	Javascript, Typescript, Java, Python
Mobile Development	React Native Cli, Expo, NativeWind
Web development	React, Redux, Next.Js, Nest.Js, Node, Express, Laravel, Axios, Tailwind CSS, MUI
Databases	MySQL, MongoDB
Familiar Technologies	Git, CI/CD, GitHub Actions, Docker, Jest, RESTful APIs, RTK Query, Google Map
CMS	Firebase, Appwrite, Sanity
Skills in Progress	AI/ML, Azure, AWS
Soft Skills	Leadership, Teamwork, Time Management, Critical Thinking, Problem Solving

EXPERIENCE

Voluntary Project – Real-Time Bus Tracking System

Full Stack Web/Mobile Developer

Mar 2025 – Apr 2025

- Designed and developed a real-time bus tracking system to reduce passenger waiting times by enabling users to view current bus locations.
- Implemented the full project architecture with RESTful APIs using Node.js, HTTP for client communication, MQTT for receiving GPS data, and Redis for real-time location updates caching.

Google Map | OSM Map Interface | React Native | React | Node.js | Express | MySQL | Docker

Freelance Full Stack Developer

Full Stack Web/Mobile Developer

Nov 2023 - Jun 2025

- Developed and deployed web and mobile applications for various clients, optimizing performance and user experience.
- Designed scalable and maintainable frontend applications using React.js, React Native, and TailwindCSS.

React Native | NativeWind | React | Nest | Express | Node | Laravel | CI/CD | MySQL | Docker | Microservices | Zod

Aldtan (pvt) Ltd

Full Stack Web/Mobile Developer Intern

Nov 2024 - Feb 2025

- Developed multiple screens in a React Native app (authentication, dashboard, profile) based on the Figma design.
- Enhanced the backend architecture for the microservices based project and built a responsive web interface using React js, adhering to Figma design.

React Native | Nest | Express | Node | React | CI/CD | MySQL | Docker | Microservices | TypeORM | Zod

jWare Automation (pvt) Ltd

Full Stack Web/Mobile Developer Intern

Oct 2023 - Jan 2024

- Introduced a new status code strategy to track the progress of cash requests across four sections and enhanced the backend infrastructure for the Hayleys Fenton's Cash App.
- Initiated and led the AutoCAD Design Generator Project, implementing a user friendly interface using React and managing backend functionalities with Laravel and MySQL.

Node | Express | React | PHP | Laravel | MySQL | Migrations | Docker | Git | S3 Bucket | Agile Methodologies

ACHIEVEMENTS

- Oracle Cloud Infrastructure (OCI) 2024 Certified AI Foundations Associate certification.
- Awarded for presenting the research paper "Abnormal Event Detection in Surveillance Video via Machine Learning". **(APIIT International Research Conference 2024)**
- Cricket softball **(11 trophies)**, Badminton **(4 trophies)**, Volleyball **(3 trophies)**, and **school level champion** in Chess and Carom.

PROJECTS

Video Streaming Mobile App

Full Stack Mobile App Developer

My own Project

Jul 2024 - Oct 2024

- The app is a video streaming platform that allows users to upload videos and thumbnails for display within the application.
- Familiar with Headless CMS solutions for flexible content management and scalability.

Links: [Watch Project Video](#) | Figma | React Native | Expo | Appwrite | NativeWind | JavaScript | Axios

Abnormal Event Detection In Surveillance Videos

Full Stack Developer | Mobile App Developer | AI Engineer

Final Year Project

Jan 2024 - Nov 2024

- A human replacement system for continuous CCTV monitoring, enhancing real-time detection of abnormal activities like fighting or robbery, with authorities notified for immediate action.
- Contributed to developing a model using Autoencoder and LSTM for detecting abnormalities, and created web and mobile interfaces using Flask, Socket.io, and React Native to display the results.

Links: [Watch Project Video](#) | React Native | React JS | Flask | Socket.io | AI | Python | Machine Learning | Deep Learning

EDUCATION

- **B.Sc.(Hons) Electrical & Information Engineering - (Spec. in Software Eng.)**
Second Upper Class
University of Ruhuna
- **English Diploma**
Kakirawa English Academy Certificate
- **Advance Level Results**
District Rank - 18
1 A and 2 B's for Combined Mathematics, Physics, and Chemistry respectively.

REFEREES

Dr. Kushan Sudheera

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University of Ruhuna.
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Mr. Praneeth Wijesinghe

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University of Ruhuna.
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