



# MAHEEL LAKSHAN

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

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## 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

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

## EXPERIENCE

### Voluntary Project – Real-Time Bus Tracking System

Full Stack Web/Mobile Developer

Jan 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

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- 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

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### 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

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- **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

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### Dr. Kushan Sudheera

Senior Lecturer, Faculty of Engineering,  
University of Ruhuna.  
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### Mr. Praneeth Wijesinghe

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University of Ruhuna.  
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