



# 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, Python
<b>Web development</b>	React, Next.js, Nest.js, Node, Express, Redux, Axios, Tailwind CSS, MUI
<b>Databases</b>	MySQL, MongoDB
<b>Familiar Technologies</b>	Git, CI/CD, GitHub Actions, Jenkins, Docker, Jest, RESTful APIs, RTK Query, AWS
<b>CMS</b>	Firebase, Appwrite, Sanity
<b>Mobile Development</b>	React Native
<b>Soft Skills</b>	Leadership, Teamwork, Time Management, Critical Thinking, Problem Solving

## EXPERIENCE

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

Full Stack Developer/Project Owner

Mar 2025 – Jun 2025

- Designed and developed a real-time bus tracking system to reduce passenger waiting times by enabling users to view current bus locations.
- Selected and implemented the full project architecture including backend APIs, database design, and mobile app integration.

Node.js | Express | MySQL | React Native | React | Docker | Git | AWS

### Freelance Full Stack Developer

Full Stack Web/Mobile Developer

Nov 2023 - Jun 2025

- Designed scalable and maintainable applications using MERN stack.
- Collaborated with clients to gather requirements, plan architectures, and deploy applications with CI/CD workflows.

React | Next | Express | Node | CI/CD | MySQL | Docker | Microservices | Zod

### Aldtan (pvt) Ltd

Full Stack Developer Intern

Nov 2024 - Feb 2025

- Integrated the repository design pattern with TypeORM, ensuring better maintainability and scalability.
- Enhanced the backend architecture for the microservices based project and built a responsive web interface using React js, adhering to Figma design.

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

## jWare Automation (pvt) Ltd

Full Stack 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

## EDUCATION

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- **B.Sc.(Hons) Electrical & Information Engineering - (Second Upper Class)**

The Highest SGPA - 3.67

University of Ruhuna

- **Advance Level Results**

District Rank - 18

1 A and 2 B's for Combined Mathematics, Physics, and Chemistry respectively.

Z-Score - 1.6922

## PROJECTS

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### Video Streaming Platform Development

My own Project

Full Stack Developer

Jan 2025 - Feb 2025

- Developed a video streaming platform with three core services: upload, watch, and transcode, utilizing Kafka for asynchronous processing to enhance system scalability and efficiency.
- Implemented the backend using Express and PostgreSQL for data management, along with AWS S3 for video storage.

Kafka | AWS S3 | PostgreSQL | React | Redux | Axios | Postman | Express.js

### Abnormal Event Detection In Surveillance Videos

Final Year Project

Full Stack Developer | Mobile App Developer | AI Engineer

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.

React Native | React JS | Flask | Socket.io | AI | Python | Machine Learning | Deep Learning

## ACHIEVEMENTS

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- 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.
- English Diploma Certificate. Kakirawa English Academy

## REFEREES

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### Dr. Kushan Sudheera

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University of Ruhuna.

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### Mr. Praneeth Wijesinghe

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