MAHEEL LAKSHAN

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

Phone: 0716731827
Email: maheellakshanra@gmail.com
GitHub: github.com/MaheelLakshan
LinkedIn: linkedin.com/in/maheel-lakshan-75880627b
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
Web development	React, Next.Js, Nest.Js, Node, Express, Redux, Axios, Tailwind CSS, MUI
Databases	MySQL, MongoDB
Familiar Technologies	Git, CI/CD , GitHub Actions, Jenkins, Docker, Jest, RESTful APIs, RTK Query, AWS
CMS	Firebase, Appwrite, Sanity
Mobile Development	React Native
Soft Skills	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

- **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

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 Leaning

ACHIEVEMENTS

- 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

Dr. Kushan Sudheera
Senior Lecturer, Faculty of Engineering,
University of Ruhuna.
Email: kushan@eie.ruh.ac.lk

Mr. Praneeth Wijesinghe
Lecturer, Faculty of Engineering,
University of Ruhuna.
Email: praneeth@is.ruh.ac.lk