



# Oshan Madawa

- +94 70 616 8974
- oshanm.20@cse.mrt.ac.lk
- github.com/oshnmdw
- linkedin.com/in/oshnmdw
- oshnmdw.github.io

## About Me

A self-motivated and highly dedicated person who is passionate about doing hard work and achieving goals

## Skills

- Programming Languages:** Python | Java | JavaScript | Typescript
- Technical Fields:** Full Stack Development | Machine Learning
- Databases:** MySQL | MongoDB | PostgreSQL.
- Tools & Services:** Git | GitHub | Docker | Jira | AWS | Figma | Postman | Cypress
- Frameworks:** ReactJS | NextJS | ExpressJS | React Native | IntelliJ IDEA | Visual Studio

## Highlights

- Dean's List:** Semester 7 (SGPA 3.84)
- mSpace Code Blast National Hackathon 2023:** Finalist | Built a Multi-language Translation Service
- MoraXtreme 7.0 2022 :** Rank 54
- IEEEExtreme 17.0 2023 :** Island Rank 85
- Extra Curricular Activity :** Content Creating, Video Editing
- Sports :** Badminton, Muay Thai
- University Badminton Team Player (UMISF 2023)

## Education

### BSc Eng Hons, Computer Science & Engineering

University of Moratuwa

2021 - Present

- CGPA : 3.45
- Minor in Mathematics

### Rahula College Matara

2013 - 2019

- G.C.E A/L 2019: 3A Passes (Physical Science Stream) | Island Rank : 142
- G.C.E O/L 2016: 9A Passes

## Certifications

- Supervised Machine Learning: Regression and Classification | DeepLearning.AI ([cert](#))
- JavaScript Essential Training | LinkedIn ([cert](#))
- Front-End Web Development with React | Coursera
- Introduction to Generative AI | Google ([cert](#))
- Introduction to Large Language Models | Google ([cert](#))

## Experience

### Karmo (Pvt) Ltd

2023 Nov - 2024 May

#### Software Engineering Intern

- Worked on Three projects
  - Vouch and MyKarmo (Flagship Product)
  - Customer Score Engine
  - Test Automation Project
- Full Stack Development
- Tech Stack:** ReactJS, ExpressJS, NextJS, NodeJS, Docker, PostgreSQL, TypeScript, Tailwind CSS, Python, Cypress

### Director of Web

2022 June - 2023 June

#### UoM Leos 22/23

- Conducted a Web Development Workshop for Leos
- Started a Web Development Competition called Devathon 1.0
- Developed the Leo Scroll App

## Projects

### Explainable ML models for analyzing Emotional Valence from fMRI data (Ongoing)

2024 May - Present

- Final Year Research Project
- Interpreted the prediction model in the standard MNI brain space
- Improving feature extraction by clustering similar voxels Implement
- GNNs to capture complex relationships in graph-structured data.
- Tech Stack :** TensorFlow, Keras, Skit-learn, Matplotlib, LRP, SHAP

### Driving License Test Application

2023 Aug - 2023 Oct

- DriveSmart is an innovative online learning web application and mobile application designed to revolutionize the process of preparing for driving license tests in Sri Lanka
- Full Stack Development
- ([GitHub](#)) ([Video](#))
- Tech Stack :** ReactJS, React-Native, NodeJS, MongoDB, ExpressJS, AWS, Bootstrap

### Customer Score Engine

2023 Nov - 2024 Feb

- One of my Internship Projects
- Developed the KYC product for the new customer onboarding system and evaluated the existing customers
- Tech Stack :** Python, PyTorch, Skit-learn, MongoDB

### VoteZone - Online Voting Platform

2023 June - 2023 Sep

- VoteZone is a web-based online voting system that helps to manage elections easily and securely.
- Frontend Development
- Tech Stack :** ReactJS, TypeScript, Material UI, HTML, CSS