# Oshan Madawa

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## 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

- **mSpace Code Blast National Hackathon 2023**: Finalist | Built a Multi-language Translation Service
- **MoraXtreme 7.0 2022 :** Rank 54
- **IEEEXtreme 17.0 2023 :** Island Rank 85
- **Extra Curricular Activity** : Content Creating, Video Editing
- **Sports** : Badminton, Muay Thai

## Education

**BSc. Eng (Hons), Computer Science & Engineering**
*University of Moratuwa*
CGPA : 3.45
2021 - Present

**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)
- Introduction to Generative AI | Google (cert)
- Introduction to Large Language Models | Google (cert)
- JavaScript Essential Training | LinkedIn (cert)
- Front-End Web Development with React | Coursera

## 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
- **Technologies: 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 Leo Scroll App

## Projects

**Explainable ML models for analyzing Emotional Valence from fMRI data (Ongoing)**
- 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, Sckit-learn, Matplotlib, LRP, SHAP**

**DriveSmart - Driving License Test Application**
- It 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**
- One of my Internship Projects
- Developed the KYC product for the new customer onboarding system and evaluated the existing customers
- **Tech Stack : Python, PyTorch, Sckit-learn, MongoDB**

**VoteZone - Online Voting Platform**
- 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**