

# NADEESHA MADUSANKA

**Undergraduate University Of Moratuwa** 

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portfolio/nadeesha

### **TECH STACK**

Python Java

JavaScipt HTML CSS

MongoDB | MySQL

PostgreSQL

React Native

TypeScript Webix

Next.js Express

Tailwind CSS | Django

TensorFlow | Keras

Scikit-learn Matplotlib

Numpy OpenCV

Git Postman

Prisma Jest

Docker Visual Studio

IntelliJ IDEA

### **ABOUT ME**

I have a solid foundation in both theory and practice within my field and I'm excited to apply my expertise to contribute to innovative challenges in a dynamic work environment.

### **EDUCATION**

Computer Science & Engineering (2020 - Current) | University Of Moratuwa

GCE A/L (2016 - 2019) | Kegalu Vidyalaya

### **EXPERIENCE**

Software Engineer (2024 Nov - Present) | jahan.ai

Developing a retail web solution focused on demand forecasting, pricing, supply chain, inventory optimization, and other critical operational areas.

Associate Software Engineer (2024 June - 2024 Nov) | IXD Labs

Developed and contributed to multiple projects in web development.

Software Engineer Intern (2023 Dec - 2024 June) | IXD Labs

Extensive experience in developing projects across diverse platforms, including mobile applications, smartwatch software, and web solutions.

# **CORE SKILLS**

- Leadership
- Team Work
- Time Management
- Eager to Learn

# **PROJECTS**

# Explainable AI Models for Emotional Valence Analysis from fMRI Data (Ongoing - FYP)

Focused on enhancing model explainability for predicting valence from fMRI data, with the implementation of Graph Neural Networks (GNN) for improved model performance and interpretation.

Technologies: TensorFlow, Keras, Sckit-learn, Matplotlib, Numpy, LRP, SHAP

#### Gym MMS |

Membership Management System for gyms. It lets admins manage operations while customers can track attendance, purchase, and pay for memberships. The system also features fingerprint-based check-ins for a smooth and secure experience.

Technologies: React, Django, PostgreSQL

#### Shopify Store and App

Building a Store, offering both new and second-hand clothes. Users can buy new items or sell their used clothes, which are reviewed by admins before being listed for resale.

### **VOLUNTEER**

- EXMO 2023 Marketing Team
- Soyuru Sathkara 2023 -**District Coordinator**
- IEEE CS UOM Designing Committee

### REFEREES

#### Prof. Meedeniya D.A.

Senior Lecturer, Department of Computer Science and Engineering, University Of Moratuwa.



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#### Dr. Raiith Vidanaarachchi

Research Fellow.

Transport, Health and Urban Design (THUD) Research Lab, University of Melbourne.



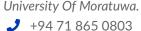
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#### Dr. Charith Chitraranjan

Senior Lecturer, Department of Computer Science and Engineering,





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Technologies: React, Typescript, Liquid, Prisma, Polaris

### Fitsmiles - Mobile App / Fitbit Watch App | •

Innovative app, Motivating physical activity by rewarding users with coins for walking in designated areas. These coins can be redeemed for purchases within partner malls. Technologies: React Native, Typescript, PostgreSQL, Spring Boot

### Train Booking System | 😯

An online platform for purchasing train tickets and checking schedules effortlessly. Technologies: PostgreSQL, Express.js, ReactJS, Node.js, SCSS

### CarHub Showcase | 😯

Users can effortlessly search for cars and rent vehicles tailored to their preferences. Technologies: NextJs, TypeScript, ReactJS, TailwindCSS, RapidAPI

### Book Store Web App

An intuitive online platform that empowers users to organize their book inventory. Technologies: MongoDb, Express.js, ReactJS, Node.js, TailwindCSS

# TinDog WebSite | 😯 | 🏶

A matchmaking platform exclusively for dog owners, helping them find compatible partners for their canine companions.

Technologies: HTML, CSS

### Article Summarizer | 😯 | 🌐

An automated content summarization by analyzing web pages based on provided URLs, offering quick and informative summaries.

Technologies: ReactJS, TailwindCSS, RapidAPI

# Movie Master | 😯 | 🌐

Empowering users to search for beloved films and access a list of related releases. Technologies: ReactJS, CSS, OMDb API

# Supply Chain Management System | 😯

Database tailored for managing the flow of goods across the supply chain. Technologies: MySQL, Express.js