



# NADEESHA MADUSANKA

Undergraduate University Of Moratuwa

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NadeeshaMadusanka

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nadeesha-madusanka

portfolio/nadeesha

## TECH STACK

Python

Java

JavaScript

HTML

CSS

MongoDB

MySQL

PostgreSQL

React

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

## CORE SKILLS

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

## 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.

## 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, Scikit-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.

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### Dr. Rajith Vidanaarachchi

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### Dr. Charith Chitraranjan

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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