Ahamed Munsif

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About Me

I am a third-year Computer Engineering student at the University of Ruhuna with a profound interest in Machine Learning and Artificial Intelligence and a robust foundation in software development. My expertise in Python encompasses data manipulation, algorithm implementation, model optimization, neural networks, and large language models. With Flask, I have gained experience in integrating ML applications into software solutions. Additionally, I possess strong skills in Java/Spring Boot for backend development.
Currently seeking an internship in AI/ML or software development, I am eager to apply my technical skills and passion for these fields to real-world challenges. With a growth mindset, rapid learning capabilities, and strong adaptability, I am well-prepared to contribute effectively to your team.

Education

BSc (Hons) in Computer Engineering University of Ruhuna 2022 – 2026

- GPA: 3.51/4.0
- Related coursework: Web application development, Mobile Application, Artificial Intelligence, Problem solving using algorithms, Machine learning, Computer Architecture, Data structures and Algorithms, Design patterns, Operating System and Network programming, Computer Network, GUI development, Embedded Systems, Object-Oriented Programming, Databases and Systems, DevOps Engineering.

Projects

Automated Paper Grading System Ongoing AutoGradePro

- A tool for lecturers to grade short answers, lists, numerical values, and brief phrases such as code snippets. Incorporates Large Language Models (LLMs) to enhance grading accuracy by providing predefined answers and a detailed marking scheme, achieving human-like intelligence in evaluation processes with expected accuracy.
- Technologies: Django, Next.js, PostgreSQL, NLP, LLM (Llama | Deepseek), TailwindCSS, TypeScript

Concrete Strength Prediction using Machine Learning Github

- Predict the compressive strength of concrete using machine learning techniques. Quantitative measurements of concrete components and resulting compressive strength.
- Technologies: Linear Regression, Support Vector Machine (SVM)

EEG-Based Motor Imagery Classification System Ongoing Github

- A comparative study of Artificial Neural Networks (ANN) and Convolutional Neural Networks (CNN) for classifying EEG-based motor imagery signals, enhancing Brain-Computer Interface (BCI) accuracy.
- Technologies: ANN, CNN, Deep learning frameworks, Scikit-learn

Crypto Currency Trading Application Ongoing CoinXcel

- A Crypto Currency Trading Platform where users can trade with real-time Crypto currency values but with not real money.
- Technologies: SpringBoot, NextJS, MySQL, TailwindCSS, JWTs, Redux, Jenkins, Docker, Terraform, AWS EC2

Gym Management System Database Design | RDMS Github

- Designed to handle core operations for a fitness center. The database structure supports functionalities such as member and trainer management, equipment inventory tracking, branch details, and billing and payment records.
- Technologies: MySQL, UML, Normalization, Database Tuning

Laptop Inventory Management System | DSA Github

- Designed to manage the stock of laptops in a store. Utilizing a singly linked list data structure, the system offers functionalities to insert new laptops, update quantities, display stock, and filter laptops based on user preferences such as brand, RAM, and processor.
- Technologies: C++, Data structure Algorithm DSA, SLL, Object Oriented Programming (OOP)

Full-Stack E-Commerce Platform Demo Zephyr Wears

- A MERN-based full-stack web application including an admin panel for managing products, orders, and customers, with full CRUD functionality.
- Technologies: ReactJS, NodeJS, ExpressJS, Redux, MongoDB, JWTs, TailwindCSS

Flutter-Based Daily Calorie Tracker App Demo CalorifyME

- Built a Flutter app for tracking meals, calories, and macronutrients with personalized goals.
- Technologies: Flutter, Dart, Firebase, Firestore

Skills

Front-end Development: React.js, Next.js, Tailwind CSS, Framer Motion, Redux, JavaScript, TypeScript.

Back-end Development: Django, Java/Spring Boot, Spring Security, Node/Express.

AI/ML Tools: NumPy, Pandas, TensorFlow, PyTorch, Scikit-learn.

ML Integration & AI Development: Flask, LLM Integration, RAG, Finetuning.

Databases: MySQL, PostgreSQL, MongoDB, Firebase, Firestore.

DevOps and Cloud Computing: Linux, CI/CD, Docker, Kubernetes, Jenkins, Terraform, Ansible, AWS.

Tools and Technologies: Git/GitHub, Jira, Figma, Agile development, PyGame, Socket Programming.

Soft Skills: Problem Solving, Attention to Detail, Communication, Collaboration.

Certificates

Introduction to Containers / Docker, Kubernetes & OpenShift - IBM, Coursera

Getting Started with Git and GitHub - IBM, Coursera

Databases and SQL for Data Science with Python - IBM

Agile Dev Practices: SDLC & Project Management - Northeastern University

Introduction to DevOps - IBM

Supervised Machine Learning: Regression and Classification - IBM

Application Development using Microservices and Serverless - IBM

Continuous Integration and Continuous Delivery (CI/CD) - IBM

Activities

Presented our project at the Innovative project, INSL Southern Province competition!	Dec 2024
HaXtreme 3.0 organized by IEEE Student Branch at the University of Ruhuna	Nov 2024
HaXtreme 2.0 organized by IEEE Student Branch at the University of Ruhuna	Oct 2023

References

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