Rusith Wijesinghe

Malabe – Sri Lanka

📱 075 957 1894 • ✉ rusithwijesinghe7@gmail.com • in rusithwijesinghe

 Rusith21

Professional Summary

Final-year IT undergraduate at SLIIT with hands-on experience building AI-powered applications (Streamlit/XGBoost, Flask/TensorFlow) and full-stack solutions (MERN, Spring Boot/React). Skilled in Python, JavaScript, Java, and modern frameworks, I thrive on solving real-world problems in agile teams. Currently seeking internship opportunities to apply my technical skills and gain practical industry experience.

Education

Sri Lanka Institute of Information Technology (SLIIT) — **Malabe**

BSc(Hons) in Information Technology, Specializing in Information Technology — *2022–2025*

Technical Skills

Programming Languages: Java, JavaScript, Python

Frontend Technologies: React.js, HTML5, CSS3, Bootstrap

Backend Technologies: Node.js, Express.js, Spring Boot

Databases: MongoDB, MySQL, SQL Server

Tools & Technologies: Git/GitHub, REST API, Postman, XAMPP, Mongoose

Development Environments: VS Code, Eclipse IDE

Machine Learning: scikit-learn, TensorFlow/Keras, XGBoost, pandas, NumPy

Projects

Health Insurance Cost Prediction Web App

Technologies: Python, Streamlit, XGBoost, scikit-learn, pandas, NumPy, Git, GitHub

GitHub: `https://github.com/Rusith21/Health-Insurance-Cost-Prediction`

Description:
- Developed a Streamlit web application that predicts individual health insurance premiums from demographic, medical, and financial inputs
- Engineered features including one-hot encoding, normalized risk-score calculation, and scaling of numeric variables; trained and compared multiple regression models, with XGBoost achieving the lowest RMSE and highest R^2
- Implemented a reusable prediction helper.py module to handle end-to-end input preprocessing, model deserialization (.joblib), and inference, serving real-time predictions through a clean UI
- Managed large model artifacts via Git LFS and version-controlled the entire codebase on GitHub, with comprehensive documentation and usage screenshots in the README

Number and Shape Identifier Web App

Technologies: Python, Flask, TensorFlow/Keras, HTML, CSS, Git, GitHub

GitHub: `https://github.com/Rusith21/number-identify-app`

Description:
- Developed a Flask-based web application that loads a pre-trained Keras CNN (.h5) model to classify both handwritten digits (0-9) and simple shapes (rectangle, circle, triangle)

- Implemented secure image upload, preprocessing (resizing to 64x64, normalization), and inference endpoints; returned predicted class with confidence score
- Designed a clean, responsive HTML/CSS frontend for user uploads and real-time result display
- Wrote full documentation and README (with screenshots), structured code for maintainability, and published the project on GitHub

WowJobs - Modern Job Portal Application

Technologies: MERN Stack (MongoDB, Express.js, React, Node.js)

GitHub: `https://github.com/Rusith21/Online-Job-portal-MERN`

Description:
- Developed a fully functional job portal to streamline the job search and hiring process
- Implemented secure user authentication, dynamic job listings, search and filter functionality, application tracking, and a user-friendly interface
- Enabled job seekers to browse opportunities and employers to post job listings

Fitness Social Media App

Technologies: Java, Spring Boot, React.js

GitHub: `https://github.com/Rusith21/Fitness-Social-media-app-Spring-Boot-JAVA`

Description:
- Created a social media application focused on fitness and health
- Implemented features such as user registration, login, profile management, and social interactions (likes, comments, and follows)
- Designed and developed RESTful APIs to handle backend logic and integrated a responsive frontend for smooth user experience

Professional Skills

Teamwork: Collaborative approach to software development with experience in agile methodologies

Problem Solving: Analytical mindset with proven ability to debug complex issues and optimize solutions

Time Management: Efficient project planning and delivery within tight deadlines

Critical Thinking: Strategic approach to software architecture and design decisions

Certifications

Udemy
The Complete 2024 Web Development Bootcamp *2024*

Udemy
DevOps Fundamentals *2024*

MongoDB
MongoDB for Developers *2024*

References

Lecturer, Faculty of Computing   Sri Lanka Institute of Information Technology (SLIIT)
Mr. Harshanath S M B
Phone: 0777762423
Email: Harshanath.s@sliit.lk