Shums Marickar Fawzul Shayila

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GitHub   —   LinkedIn

Summary

Motivated and enthusiastic IT undergraduate specializing in **Data Science, Machine Learning, and Cyber Security**. Skilled in Python, SQL, and modern data science libraries (**Pandas, NumPy, Scikit-learn, TensorFlow**). Experienced in building predictive models, data preprocessing, and deploying applications using FastAPI and Streamlit. Quick learner, strong communicator, and team player, eager to apply analytical and programming expertise to real-world data-driven projects.

Education

BSc (Hons) in Information Technology, Horizon Campus   2022 – 2027
3rd Year Undergraduate, specializing in Data Science and Cyber Security

    Diploma in English, University of Sri Jayawardenepura   2022 – 2024

    G.C.E. Advanced Level (Physical Science), Anula Devi Balika Vidyalaya   2020

Certifications

- Professional Certificate in Linux – IIT-PDU (2025)
- Certificate in Git & Professional Skills – Horizon Campus (2024–2025)
- Advanced Certificate in Java – Learnify Academy (2024)

Projects

FastAPI Project – House Price Prediction API (GitHub)
- Developed a REST API using **FastAPI, Python, and Scikit-learn** for house price prediction.
- Implemented preprocessing, feature engineering, and regression models, achieving **92% R^2 score**.
- Designed scalable endpoints with input validation and JSON responses.

Streamlit Project – Wine Quality Prediction (GitHub) (Live App)
- Built an interactive web app using **Streamlit, Pandas, NumPy, and Scikit-learn**.
- Integrated data visualization (histograms, heatmaps, scatter plots) for exploratory data analysis (EDA).
- Deployed classification models for predicting wine quality with **85% accuracy**.

DevOps CI/CD Pipeline (GitHub)
- Automated CI/CD workflows using **GitHub Actions, Docker, and Bash scripting**.
- Configured testing and deployment pipelines for seamless integration.

Skills

Programming Languages: Python, Java, C, JavaScript, SQL
Data Science Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn
Databases: MySQL, SQLite
Tools & Platforms: Linux, Git, GitHub, FastAPI, Streamlit, Bash, Docker, GitHub Actions
Soft Skills: Problem-solving, Teamwork, Adaptability, Communication
Languages: Sinhala (Native), English, Tamil

Achievements & Leadership

Current Positions:
- Assistant Secretary – Community of Cyber Security (C2SH), Horizon Campus
- Member – AIESEC, Horizon Campus
- Member – Leo Club, Horizon Campus

Previous Positions:
- Minister of Innovation and Technology – Anula Devi Balika Vidyalaya
- Secretary – IT Society, Anula Devi Balika Vidyalaya

References

Mr. M. G. Asanka Dinesh
Master of Computer Science (UCSC), — Master of Business Administration Sp. in Business Analytics — BSc (Hons) in IT
HOD - Faculty of Information Technology
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Mr. Daminda Herath
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