



SHUMS MARICKAR FAWZUL SHAYILA

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Professional Summary

Recent BSc (Hons) in Information Technology undergraduate with a strong foundation in Python, FastAPI, machine learning, and REST API development. Completed coursework and projects in data preprocessing, feature engineering, and CI/CD pipelines. Eager to leverage analytical abilities to develop scalable software solutions and achieve impactful results in a dynamic technology environment.

Education

Horizon Campus – Malabe <i>BSc (Hons) in Information Technology</i> 4th Year Undergraduate	<i>Present</i>
University of Sri Jayawardanapura – Nugegoda <i>Diploma in English</i>	<i>Nov 2023</i>
Anula Devi Balika Vidyalaya – Galle <i>G.C.E. Advanced Level (Physical Science)</i>	<i>Oct 2020</i>

Volunteering & Leadership

Assistant Secretary – Community of Cyber Security (C2SH)	<i>Present</i> <i>Horizon Campus</i>
Member – Leo Club	<i>Present</i> <i>Horizon Campus</i>
Minister of Innovation and Technology – Student Parliament	<i>Oct 2019 – Sep 2020</i> <i>Anula Devi Balika Vidyalaya</i>
Secretary – IT Society	<i>Jan 2017 – Dec 2017</i> <i>Anula Devi Balika Vidyalaya</i>

Certifications

Professional Certificate in Linux – IIT-PDU	<i>Feb 2025</i>
Certificate in Git – Horizon Campus	<i>Jan 2025</i>
Advanced Certificate in Java – Learnify Academy	<i>Jun 2025</i>

Skills

Python, FastAPI, Scikit-learn, REST API development, Data preprocessing, Feature engineering, Streamlit, Pandas, NumPy, Data visualization, Machine learning (regression and classification), Git, Linux, Java, Docker, CI/CD pipelines, Bash scripting

Projects

FastAPI Project - House Price Prediction |API

- Developed a REST API using FastAPI, Python, and Scikit-learn for house price prediction.
- Implemented preprocessing, feature engineering, and regression models, achieving 92% R2 score.
- Designed scalable endpoints with input validation and JSON responses.
- GitHub: <https://github.com/ShayilaMarickar/FastAPI-Application>

Streamlit Project - Wine Quality

- Built an interactive web app using Streamlit, Pandas, NumPy, and Scikit-learn.
- Integrated data visualization (histograms, heatmaps, scatter plots) for exploratory data analysis.
- Deployed classification models for predicting wine quality with 85% accuracy.
- GitHub: <https://github.com/ShayilaMarickar/Streamlit-Application>
- Live App: <https://shayilamarickar-streamlit-application-app-bphpdb.streamlit.app/>

DevOps CI / CD Pipeline

- Automated CI/CD workflows using GitHub Actions, Docker, and Bash scripting.
- Configured testing and deployment pipelines for seamless integration.
- Participated in all phases of the software development lifecycle, ensuring robust and scalable application delivery.
- GitHub: <https://github.com/ShayilaMarickar/DevOps-Project>

Languages

Sinhala (Native), English (Fluent), Tamil (Basic)

References

Mr. M. G. Asanka Dinesh from HOD - Faculty of Information Technology, Horizon Campus

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Mr. Daminda Herath from Senior Lecturer, Faculty of Information Technology, Horizon Campus

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