Ojani Jayasinghe

Personal Details

👤 Ojani Jayasinghe

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🏠 429/3, Vihara Road, Neligama, Ragama.

Technical Skills

- Python
- R
- SQL
- Power BI
- Machine Learning
- ETL
- React
- JavaScript
- HTML/CSS
- Java
- C
- C++
- PHP
- Kotlin
- GitHub
- REST API
- FAST API
- Android Studio
- Excel
- SSAS
- SSIS
- SSMS
- MongoDB

Professional Summary

Dedicated and results-driven undergraduate pursuing a BSc (Hons) in Information Technology with a specialization in Data Science. Passionate about data-driven decision-making, with hands-on experience in programming, machine learning, and data analysis. Strong background in communication, leadership, and teamwork, with a commitment to continuous learning and innovation. Adept at applying analytical skills to solve complex problems and drive impactful solutions in dynamic environments.

Education

BSc(Hons) in Information Technology – Specializing in Data Science   2022 – 2026
SLIIT – Malabe

Higher Diploma in Information Technology   2022 – 2024
SLIIT – Malabe

AAT Pass Finalist   2020 – 2022
AAT Sri Lanka

Diploma in English   2021 - 2022
CET Campus

Advanced Level – Commerce   2021
Yasodara Devi Balika Maha Vidyalaya - Gampaha

Professional Affiliations

- Business Analyst Intern - Gamage Recruiters
- Customer Experience Team Leader (OGTa) - AIESEC in SLIIT
- Member – Data Science Student Community
- Member – IEEE Computer Society of SLIIT
- Member – SEDS SLIIT

License and Certifications

- Certificate Program in IT Applications – SLIIT
- Mathematics for Machine Learning - Simplilearn
- Power BI for beginners – Simplilearn
- Data Science Foundations – level 1 - IBM
- Data Science 101 – Cognitive Class
- Python and Artificial Intelligence – DevTown
- Introduction to AI – HP Life
- Front-end development – University of Moratuwa
- Web development – University of Moratuwa
- Introduction to Packet Tracer – Cisco Network Academy
- SQL - HackerRank

Qualities

- Leadership
- Problem Solving
- Effective Communication
- Critical Thinking
- Creativity
- Team Collaboration

Languages

- English (Advanced)
- Sinhala (Fluent)

Achievements

- Merit Award - Designthon of Codefest 2024 organized by Faculty of Computing in SLIIT.

- Presidential Award of Excellence - Legacy Awards organized by AIESEC in SLIIT.

- Nominee Certificate for the best performing OGTa leader - Legacy Awards.

- Certificate of participating for Inter-school environmental science project Olympiad - I-PO Sri Lanka

Project Experience

Student grade prediction system
A full-stack web application that predicts students' grades using machine learning.
Tech Stack: Python, FastAPI, React.js, Scikit-learn, Pandas, NumPy, HTML/CSS/JS

Social Network Analysis
Built network graphs using R and igraph for community detection. Applied centrality measures to identify key influencers.

Enterprise Sales Data Warehouse with OLAP Analytics and Power BI Dashboards
Designed and implemented a sales data warehouse using SSMS, SSIS, SSAS, and Power BI for business analytics.

Diabates Prediction System   **present**
A diabetes prediction system that preprocesses health data, applies machine learning for prediction, checks accuracy, and displays results through a user-friendly dashboard.

Mental Health-care AI chatbot using EMN in Machine Learning   **present**
An AI-powered mental health chatbot built using Episodic Memory Networks (EMN) to provide personalized support, recall user interactions, and deliver context-aware responses.

Deforestation Impact AI   **present**
A multi-agent AI system that leverages map data to monitor deforestation. Four specialized agents are trained to detect forest loss, predict risk zones, analyze environmental impact, and recommend conservation strategies.

Power BI Business Dashboard
Developed an interactive dashboard for sales and regional analysis. Automated data visualization to enhance decision-making.

Skill Sharing and Learning Platform
Developed an interactive website for skill sharing and learning by using Spring boot (Java), Mongo DB and Aouth 2.0 authentication.

MERN Stack Hotel Management System
Designed and developed a full-stack hotel service management platform.
Tech Stack: MongoDB, Express.js, React, Node.js.

Online Pharmacy Portal
Designed and developed a full-stack Online pharmacy portal using PHP, HTML, CSS, MySQL Workbench

References

Sampath Kularathne
Program Manager
IFS RnD International Pvt Ltd

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