ISIRA ADITHYA

COMPUTER SCIENCE UNDERGRADUATE

Phone:
+94 71 054 0195

Email:
isira.aw@gmail.com

Address:
Bandarawela , Sri Lanka .

https://github.com/isira-aw

https://www.linkedin.com/in/isira-weerasinghe-ba91b027b/

PROFESSIONAL SUMMARY

I am a second-year Computer Science undergraduate at Informatics Institute of Technology (IIT), specializing in Machine Learning and Data Science. I have experience in Python, Power BI, and cloud-based data processing. My projects focus on predictive modeling, NLP applications, and data visualization. I am passionate about using AI to solve real-world problems and optimize business decisions.

PROJECTS

YouTube_Channel_Growth_PowerBI_and_ML   **(Individual project)**
- A YouTube analytics project using Power BI for data visualization and machine learning for predictive modeling. It identifies patterns in subscriber growth, video views, and revenue while forecasting future trends.
- ***Power BI (Dashboard)***
- ***Machine Learning***

Student_marks_management-PYTHON-Project   **(Individual project)**
- A Python-based student marks management system that allows users to add, update, delete, and view student records.
- **Python**

seats_management-JAVA   **(Individual project)**
- A CLI software that allows users to purchase, cancel, and check available tickets easily. It provides a simple interface for managing ticket transactions efficiently.
- **Java OOP**

MOMMYcare+   **(Group project)**
- Software Development Group Project – MommyCarePlus Mobile application
- Developed an intelligent chatbot backend using Python (LLM integration with LangChain/OpenAI GPT API).
- Collaborated with the Flutter team for smooth frontend-backend integrat.
- **LLM ,flutter**

AI Calenda   **(2 Members)**
- Extracts printed schedules from images into a calendar.
- Planned LLM integration for natural language appointment queries
- **Python, Kivy , Google API**

Tank-Game-Python   **(Individual project)**
- A 2D multiplayer tank battle game built with Pygame, featuring player movement, shooting mechanics, obstacle navigation, flag capture, and game-over conditions.
- **pygame**

EDUCATION

BSc (Hons) Computer Science (Pending) Oct 2023 - Informatics Institute of Technology (IIT)
- *Machine Learning and Data Mining*
- *Robotic Principles*

Aquinas College of Higher Studies   **-** Intermediate Levels

S.Thomas College Bandarawela   **GCE Advanced Level   Jan 2023**
- Mathematics **(C)**
- Physics   **(C)**
- Chemistry   **(C)**
- **GCE Ordinary Level   Dec 2019**

SKILLS

- **Programming**
     Java, Python, C, SQL
- **Frameworks**
     Front-end: HTML , CSS , React.js
     Back-end: Spring Boot , FastAPI
     Database: MySQL
- **Google Cloud**
- **ML & AI: PyTorch**
- **Data Processing: Pandas, NumPy**

CERTIFICATES

- **PyData Sri Lanka Jan Post-conference**   **2025**
- **Fundamentals to Become a Machine Learning Engineer**   **2024**
- **Large Language Models: Text Classification for NLP using BERT**   **2024**
- **Introduction to Large Language Models**   **2024**
- **Deep Learning: Model Optimization and Tuning**   **2024**
- **Java Programming: Solving Problems with Software**   **2024**
- **Programming for Everybody (Getting Started with Python)**   **2024**
- **Training Neural Networks in Python**   **2024**
- **The Cybersecurity Threat Landscape**   **2024**
- **Azure Data Factory**   **2025**

REFEREES

Name : Damantha Silva
Designation : Lecturer
Email ID : damantha.s@iit.ac.lk
Mobile Number : 0742443389

Name : Sahan Priyanayana
Designation : Lecturer
Email ID : sahan.p@iit.ac.lk
Mobile Number : +94765293766