MEGAA C V

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PROFESSIONAL SUMMARY

I am a second-year student passionate about data science and Python development, with experience in Python, R, Power BI, and intermediate machine learning techniques. My projects and self-learning reflect my interest in data driven solutions. I communicate well in English and adapt quickly to new challenges.

EDUCATION

Jeppiaar Institute of Technology, Chennai Year : 2024-2028

BE - Computer Science and Engineering
CGPA - 9.05(Till 2nd semester)

St. Paul's Matriculation Higher Secondary School, Chennai

Degree in SSLC
Percentage : 91.8% Year : 2021 - 2022

St. Paul's Matriculation Higher Secondary School, Chennai

Degree in HSC
Percentage : 93.33% Year : 2023 - 2024

RELEVANT SKILLS

Programming Languages : Python, R(Intermediate), C , Java(Basic).
Tools and Framework : Power BI, Visual Studio code, Plotly & TensorFlow, OpenCV, Flask, PyTorch, Scikit-learn,Tkinter
Database : SQL Server, MySQL, MS Access.
AI Tools : N8N automation tool, Make AI, Replit AI, LLM Model, Hugging Face.

LANGUAGES KNOWN

English - Fluent
Tamil - Fluent
French - Basic

GITHUB PROJECTS

1. **Data Pipeline Development** - I have designed and implemented an automated ETL (Extract, Transform, Load) pipeline using Python. The goal was to create a user-friendly script that accepts any CSV dataset, cleans and transforms the data, and exports the refined dataset for analysis.
2. **Image Classification Model** - This project implements an Deep Learning image classification pipeline using PyTorch, leveraging the lightweight and efficient SqueezeNet architecture.
3. **End to End Data Science Project** - This is a Flask-based web application that predicts the resale price of a used car based on various inputs such as purchase year, kilometers driven, fuel type, transmission, and more. The prediction is powered by a Random Forest Regression model trained on historical car data.
4. **Real-Time Threat Mitigation in MCPS using RNN, Isolation Forest & Optimization** - CyberFedDefender is a real-time adaptive cybersecurity framework built for Mobile Cyber-Physical Systems (MCPS). It uses machine learning and optimization to detect, assess, and mitigate cyber threats under strict budget and resource constraints.
5. **Smart Voice + Text Calculator** - This project is a hybrid calculator that supports both voice and text input for solving mathematical expressions. It evaluates basic arithmetic and advanced operations, displays results in a modern GUI, and also provides voice output.

ADDITIONAL INFORMATION

- Serving as President of the Ramanujan Math Club, leading events, workshops, and competitions to promote analytical and problem-solving skills among students.
- Acting as Chair of the JIT IEEE SSIT Society, coordinating technical activities, fostering student engagement in IEEE initiatives, and encouraging innovation and collaboration.