KARTHIKEYAN L

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OBJECTIVE

Emerging Data Scientist and B.Tech Computer Science student with hands-on experience in Python, ML, and real-world analytics projects

EDUCATION

VIT-AP, B.Tech, Computer Science with specialization in data analytics- **CGPA**: 8.12	Sept 2022 – May 2026
Velammal International School, Chennai-Percentage: 83.2	June 2020 – March 2022

Experience

Research and Development Intern	June 2024 – july 2024

Indira Gandhi Center of Atomic Research (IGCAR)– Kalpakkam, Tamil Nadu

Worked on **data manipulation and developed an Algorithm.** Conducted a research on iris Developed an **ML model for binary classification**

Publications

An automated system uses OCR and machine learning to verify food label nutritional claims against USDA standards. It employs **EasyOCR** and classifiers **SVM** for accurate **ingredient analysis**.	IEEE Conference View Publication

Projects

F1 Championship Analytics | [Python, BeautifulSoup ,Power BI, Game Theory, Flask, Excel ,Git]-**View Project**

- Analyzed F1 data to extract performance insights and compare driver statistics using **Python and Power BI.**
- Scraped data using **BeautifulSoup** and deployed a **Flask**-based analytics dashboard.
- Developed Ra**ndom Forest model** to identify key factors and applied **Game Theory for win probability simulations.**

ROOM PAL | [Python, OCR, Supabase, Git, flask]View Project

- **OCR-based bill splitting system** using **Tesseract associative rule mining** to automate expense analysis.
- Designed a **chat interface** with **session control** to manage multiple users in room-specific discussions
- Utilized **Supabase (PostgreSQL)** for real-time data storage and synchronization across users.

Technologies

Languages: Python, Java, R, SQL

Technologies and Database: Ms Excel, PostgreSQL,PowerBI , Tabelau, MongoDb,Neo4j , CassandraDB, OCR

Framework and Library: Flask,FastAPI ,Streamlit, Pandas,Numpy, Matplotlib, Scikit-learn,Seaborn.