MURUGAVEL V

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Portfolio : murugavel.me

PROFILE

Motivated engineering graduate with strong foundations in programming, problem-solving, and data-driven development. Experienced in building practical machine learning applications and working with analytics-focused systems. Quick to learn new technologies and iterate on models to improve performance and reliability. Eager to contribute to impactful technical projects, apply analytical thinking, and grow through real-world problem solving in dynamic engineering environments.

EDUCATION

B.Tech Artificiial Intelligence and Data Science   2022 – 2026
(Pursuing) Hindusthan Institute of Technology   CGPA - 8.91

Higher Secondary Certificate.   Percentage - 89.33
P.A.C.M. Higher. Secondary. School

COMPETENCIES

Technical Skills : Python, SQL, Java, Django, Flask, MongoDB, Machine Learning.
Soft Skills : Smart Worker, Collaborator, Adaptable, Communicable, Creative, Attentive.
Technologies & Tools: Postman, Git and GitHub, Docker, Vercel, Streamlit, Scikit-learn, Jupyter Notebook.

INTERNSHIP EXPERIENCE

Data Science Intern

Technohacks EduTech | June- 2024
- Developed and implemented data analysis models to extract actionable insights.
- Utilized machine learning techniques to enhance predictive accuracy.
- Collaborated with cross-functional teams to support data-driven decision-making.

PROJECTS

Personal Finance Assistant

Developed a full-stack AI-powered personal finance assistant using React, FastAPI, and MongoDB, enabling OCR-based bill parsing, real-time expense visualization, and OpenAI/Gemini-powered financial chatbot. Integrated Docker for scalable deployment and optimized API performance by 30%.

Tech Stack: React, FastAPI, Tessaract OCR, GitHub, MongoDB, Google Gemini API

SmartKart

Built a full-stack e-commerce website using Django, enabling 100+ products, secure checkout, and seamless cart management. Implemented MySQL for efficient data handling, reducingquery response time by 40%

Tech Stack: Python, Django, MySQL, GitHub

PostOfficeManagement

A console-based Java application designed to simulate and manage the basic operations of a post office. This project helps demonstrate object-oriented programming (OOP) concepts such as classes, objects, inheritance, and abstraction in a real-world scenario.
Tech Stack: Java, OOPs, Collections, Git, GitHub

Liver Cancer Detection

Developed an ML model with 85% accuracy for liver cancer detection using Scikit-Learn.Engineered key features to improve model performance and optimized hyperparameters to reduce false positives by 20%.

Tech Stack: Python, Machine Learning, Scikit-learn, GitHub

CERTIFICATIONS

UiPath Certified Professional - Automation Developer Associate certification.

AWS Training and Certification - Public Sector AI & ML

Microsoft and LinkedIn - Career Essentials in Software Development.

Microsoft and LinkedIn - Career Essentials in Data Analysis

NPTEL - The Joy of Computing Using Python