KARUPPASAMY V

ML Engineer/Data Scientist

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📍 Chennai,Tamilnadu

SUMMARY

With a solid foundation built upon 2 years 7 months software development along with hands-on experience in data analysis and machine learning. I've honed my skills in programming languages and frameworks and have a knack for tackling complex technical challenges.

EXPERIENCE

Data Scientist - Intern

iNeuron.ai

📅 10/2023 - 03/2024

- Led the development of a machine learning system with over 80% accuracy in hardware malfunction prediction, demonstrating mastery in advanced predictive modeling techniques..
- Enhanced business outcomes through innovative data manipulation and analysis during a hands-on internship with **iNeuron's data science team**, directly contributing to personalized solutions and revenue growth.
- Real-World Impact: Applied machine learning and data science expertise in a real-world setting, driving significant improvements in personalization, margin, and conversion rates through strategic model development and implementation.

Software Developer

IGT Solutions

📅 2022 - Present   📍 Chennai

- Played a pivotal role in the development and enhancement of the HRG online travel booking platform, leveraging BizTalk and C# to facilitate comprehensive travel arrangements (flight, car, hotel, rail) for UK Government, UK Commercial, and Government of Canada users.
- Achieved mastery over the application's full suite of features within a year, encompassing search, fare comparison, booking, cancellation, and payment processing, while continuously expanding my technical skill set through ongoing feature development and enhancements.

Associate Software Engineer

UST Global

📅 2021 - 2022   📍 kerala

- Initiated career journey at UST Global, acquiring foundational IT knowledge and Python coding expertise.
- Started career at UST Global, gaining comprehensive skills in IT environment, teamwork, and Python coding. Assisted senior data science team in developing innovative machine learning models to drive business growth.

ADDITIONAL SKILLS

Machine Learning

| Data Collection- EDA | Preprocessiing | Visualization | Model building |

| Regression | Classfication | DecisionTree | KNN | XGBoost | Clustering |

| DeepLearning | NLP |

Generative AI

| OpenAI | HuggingFace | Langchain | Opensource LLM | Llam | gemni |

| Pinecone | ChromaDB | GBT | Llama2 | RAG |

EDUCATION

Master of Computer Application

Mepco Schlenk Engineering College

📅 2018 - 2020

GPA **8.3** / 10.0

CERTIFICATION

Azure AZ-900, Azure AI-900

Numpy , Pandas , Statistics , Datascience Bootcamp

LANGUAGES

Tamil
Native
●●●●●

English
Proficient
●●●●○

TECH STACK

Programming Languages

| Python | SQL |

Library

| numpy | pandas | matplotlib | streamlit |

| flask | scikit-learn | tf-keras | openai |

| langchain | HuggingFace | gemni ai |

Tools

| VS-Code | Jupyter-Notebook | Google Colab |

| Power-BI |

MACHINE LEARNING PORJECTS

LIBRARIES

- **Tech : Python, Python, Pandas, NumPy, matplotlib,Scikit-Learn,Flask**
- **Tools :Tech: Jupyter Notebook, VS Code.**

Generative AI Projects

🔗 https://github.com/kpayyam1998/End-to-End-Medicalchatbot
- **Medical-Chatbot,**
- **MCQ Generation**
- **ATS,**
- **YTTranscripter ,Invoice Extracter**
- **Tech:** Python, Pinecone, Chroma,OpenAI,Langchain,GBT-3.5,GenerativeAI
- **Tools**: Jupyter Notebook, VS Code.

Car Price Prediction

🔗 https://github.com/kpayyam1998/ML_car_price_end_to_end
- Developed end to end car price prediction using ML techniques

IPL Score Prediction

🔗 https://github.com/kpayyam1998/End_to_End_IPL_Prediction
- Developed end-to-end ML model for IPL match score prediction Integrated Flask for frontend.

Student Performance Prediction

🔗 https://github.com/kpayyam1998/End-to-End-MLproject
- Developed end to end student score prediction model using ML techniques

Capstone Project

🔗 https://github.com/kpayyam1998/ML_Capstone_Project
- Developed ML techniques such as Regression,Classification, whatsapp chat ,twitter analysis

Face detection

🔗 https://github.com/kpayyam1998/Face_Detection_CNN
- Face detection using deep learning technique.

ACHIEVEMENTS

Generative AI- Webinar

IGT Solutions

- Conducted comprehensive Generative AI webinar within the organization, covering topics including OpenAI, Hugging Face, A21 Labs, Lang Chain, prompt template usage, function call mechanisms, agent interactions, and database management with Pinecone and Chroma DB