VIVEK POL

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SKILLS

DATA SCIENCE: Python, Pandas, Numpy, Matplotlib, Scikit-learn, Scipy, TensorFlow, Pytorch, Pyspark, Dask, Pdfplumber, OpenAI
DATABASE MANAGEMENT: PostgreSQL, Mongo DB, Web Scrapping, Feature Engineering
AI/ML: Generative AI, Machine Learning, Deep Learning, NLP, Langchain, Hugging Face, DeepSeek API Keys
FRONT END AND BACKEND DEVELOPMENT: Python, HTML - CSS, JavaScript
DATA VISUALIZATION: Power BI, Tableau, Time Series, Demand Forecasting
CLOUD AND DEPLOYEMNT WITH CICD PIPELINE: AWS Services EC2 instance, Lightshell, GitHub, DockerHub, Flask, Streamlit
MISCELLANEOUS: Microsoft word, Excel, Powerpoint, Outlook

EXPERIENCE

ValueAdd Research & Analysis Solutions LLP - Python Developer
Jan 2025 - Present

News Sentiment Analysis with LLM Chatbot:
- Develop an AI system that processes large volumes of financial news, classifies articles as positive, negative, or neutral, highlights potential market impacts, and integrates an LLM-powered chatbot to answer user queries
- Technologies: OpenAI GPT API, DeepSeek, LangChain, Pyspark, Tensorflow, Keras, Pytorch, Hugging Face, PyPDF2, NLTK

Resume Scanner Project:
- Automated HR profile screening using AI, cutting time/cost by 90% with DeepSeek API integration.
- Technologies: Python, PyPDF, pdfplumber, OpenCV, libmagic

LIC INDIA - Development Officer | Central Government Class 2 Officer With AIR 120
June 2023 - Sept 2024

Fraud Detection System:
- Built an ML model for fraud detection using feature engineering, hyperparameter tuning, and cross-validation to maximize accuracy and recall.
- Technologies: Python, Machine Learning, Power BI, Matplotlib, Scipy

Insurance Premium Prediction :
- Developed and deployed an ML model for personalized insurance premium prediction and automated calculations to enhance user experience and reduce manual effort.
- Technologies: Machine Learning, SQL, Pandas, Numpy, Scikit-Learn, LSTM

Capstone Securities Analysis Pvt. Ltd. Pune - Data Scientist
Nov 2019 - Jan 2022

Stock Price Prediction Using Machine Learning:
- Build a model to predict the future stock prices of listed companies using historical data and various factors that influence stock price movements.
- Technologies: Python with Flask, BeautifulSoup for scraping news

Volkswagen Pvt. Ltd. Pune - Data Analyst
Oct 2018 - Jun 2019

Supply Chain Optimization:
- Improved Volkswagen's inventory management and reduce supply chain costs.
- Technologies: Power BI for dashboards.

EDUCATION
June 2013 - June 2017

B.E. Mechanical Engineering | First Class
P.E.S. Modern College Of Engineering Pune

CERTIFIED COURSES AND ACHIEVEMENTS

Personal Achievement: All India Rank 120 in the Central Government Class - 2 Officer LIC ADO Competitive Exam, 2023.
Certified Courses: Generative Artificial Intelligence from Udemy, Full Stack Data Science from Krish Naik.