Saurabh Shinde
Senior Software Engineer

My Contact

✉ saurabhshinde489@gmail.com

☎ +91-9209332199

📍 Flat No. I-505, Nakshatra I-Land, Moshi-Alandi Road, Moshi., Pune, 412105

Key Skills

- Advanced AI: LLM, prompt engineering, Langchain, LLAMA_2, Chatbot, explainable AI, Shapash, Lime, chainlit, streamlit.
- Deep learning: Skilled in implementing models using frameworks such as Scikit-learn, TensorFlow, and Keras. opencv, torch.
- Machine Learning: Strong understanding of various machine learning algorithms, including regression, classification, clustering, decision trees, random forests
- Data Analysis and Visualization: Proficient in Python and SQL to extract, clean, and analyze large datasets. Experienced in using libraries such as Pandas, NumPy, and Matplotlib for data manipulation, exploration, and visualization.
- Statistical Analysis: Sound knowledge of statistical concepts and techniques, and time series analysis. Capable of applying statistical methods to draw meaningful insights from data.
- Data Mining: Familiarity with data mining techniques, and association rules, for discovering patterns and extracting valuable information from complex datasets.
- Communication and Collaboration: Strong verbal and written communication skills, with the ability to present technical findings to both technical and non-technical stakeholders. Collaborative team player with excellent problem-solving and interpersonal skills.

Education Background

- BE -(First Class)
  NBN Sinhgad School of Engineering, Pune
  Completed in 2019

- HSC- (First Class)
  Bharat Children's Academy & Jr. College, Walchandnagar
  Completed in 2015

- SSC- (First Class)
  Bharat Children's Academy & Jr. College, Walchandnagar
  Completed in 2013

About Me

More than 3+ years of experience in the Machine Learning domain. I am now seeking a challenging position to utilize my skills and work on Python, Machine Learning, Deep Learning, Generative AI, Prompt Engineering, Pandas, Numpy, Scikit-learn, Data Science, ANN, CNN, Matploylib, TensorFlow, NLP.

Professional Experience

Prodapt Solutions-Chennai | Senior Software Engineer
2022 – Present

Key responsibilities:
- Design and develop the AI model for natural language understanding.
- Develop and implement machine learning models to predict customer behavior, optimize pricing strategies, and improve marketing campaign effectiveness, resulting in a 15% increase in customer acquisition and a 10% boost in revenue.
- Perform exploratory data analysis on complex datasets, identify patterns, and generate actionable insights to support business decision-making processes.
- Automate data extraction and preprocessing tasks using Python scripting, reducing data processing time by 30% and improving data quality.

Honeywell- Pune | Associate Analyst
2019 – 2022

Key responsibilities:
- Conducted data cleaning, transformation, and analysis of customer data, resulting in the identification of key customer segments and the development of targeted marketing strategies.
- Developed and maintained SQL queries and scripts to extract data from relational databases, enabling efficient data retrieval and analysis.

Worked on Projects

Project:- Generative AI (Talk to Data with prompt engineering)
Business Idea:-   Aug-23 to Present
"Talk to Data" AI with prompt engineering enables users to have natural language conversations with an AI system to access and analyze complex data, making data-driven insights accessible and intuitive.

Project:- Employee Performance and Attrition Prediction
Business Idea:-   Dec-22 to Aug-23
Developing an AI-powered platform that utilizes employee data and machine learning algorithms to predict performance and attrition, enabling organizations to proactively identify at-risk employees and take strategic actions to improve retention and productivity.

Project:- Machine Predictive Maintenance
Business Idea:-   Aug-21 to Sep-22
The scope of project was to predict machine failures using sensor data and optimized corrective maintenance schedule which can identify the indicators of potential failures in production line and can help to prevent some production stops from happening.

Project:- Fresh Fruit Classification
Business Idea:-   Feb-20 to Oct-20
The aim of this project is to classify the fruits as fresh or rotten from their images. Convolution Neural Network (CNN) a deep learning technique is used with pooling, padding, and dropout layers.

Professional Courses

DataCamp Certified:- Intermediate Python for Data Science
DataCamp Certified:- Introduction to Python for Data Science
IBM Certified:- Hadoop Foundation Certificate Course - Hadoop 909