SUNAINA

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SUMMARY

With 7+ years of experience in coding and data analysis, I specialize in transforming data into actionable insights, significantly reducing manual hours and effort. I possess expertise in Python, SQL, Machine Learning, and Generative AI, enabling the development of comprehensive end-to-end analytical/ML projects. I am proficient in creating machine learning models using both supervised and unsupervised algorithms.

EXPERIENCE

AI/ML Engineer	Accenture, Bengaluru	July 2024 – Present

- Implemented a **POC** focused on code conversion and chatbot development, leveraging **Python**, **LLMs**, **ChromaDB**, and PostgreSQL. ChromaDB is used to store vector embeddings, enabling efficient semantic search and retrieval. The chatbot utilizes LLMs for intelligent responses, while PostgreSQL manages structured data storage, ensuring seamless integration between natural language understanding and data-driven insights.

Software Engineer	Publicis Epsilon, Bengaluru	July 2017 – July 2024

- Developed end-to-end **machine learning models**, including both **supervised and unsupervised algorithms**, covering the entire pipeline from data cleaning and feature engineering to model validation.
- Involved in writing **DQL (Data Querry Language)** commands from PostgreSQL DB.
- Developed a bot to extract file processing failure alerts from both portal and email sources using **python**, along with a **dashboard** to analyze and identify fault reasons for better decision-making.
- Performed **descriptive analysis** to pinpoint the root causes, **reducing failure rates from 14% to 3%** and improving the efficiency and reliability of file processing operations.
- Collaborated with business stakeholders and process owners to understand business requirements and identify automation opportunities, leading to the successful implementation of 17+ projects, with each project saving an average of 20 hours per month.

PROJECTS

Up skilling with Scaler's Data Science and ML Program	Scaler, Bengaluru	Jan 2023 –Jan 2024

- **Predictive Analysis of Driver Attrition using Logistic Regression**
  Utilizing **logistic regression modelling**, predicted driver attrition within a specific segment of the company's employee base by analysing monthly data spanning 2019 to 2020. Assessed model effectiveness using key performance metrics such as precision, recall, F1 score, and ROC AUC, aligning predictive capabilities with organizational goals.

ACHIEVEMENTS

- Country Head Award, Epsilon
- The Rising Star Award, Epsilon

SKILLS

- SQL
- Root Cause Analysis
- Data Visualization, Tableau, Excel
- Generative AI

- Python: Numpy, Pandas, Matplotlib
- Business Intelligence
- Machine Learning Algorithm: Linear Regression, Logistic Regression, kNN, Naive Bayes, Random Forest, Boosting, SVM, UnSupervised Algorithms.

- Statistical Analysis
- Data Analytics
- Robotic Process Automation UI Path

EDUCATION

Year	Degree	Institute
2009-2013	B.E. Information Technology	**Gujarat Technological University**
2023-2024	Specialized in Data Science and Machine Learning	**Scaler**