

CAREER SUMMARY

Data driven and results-oriented Data Analyst with 3 years of experience extracting actionable insights from diverse data sources. Leveraged expertise in Machine Learning, NLP and advanced analytics to improve business outcomes in strategic planning, reporting and customer relationships.

KEY SKILLS

- Data Science / Machine Learning:** LLM (Large Language Model), Deep Learning, Natural Language Processing (NLP), Supervised Learning, Unsupervised Learning, Feature Engineering and Selection, Hyperparameter Tuning, Ensemble Methods
- Data Visualization:** Tableau and Python (Matplotlib, Seaborn)
- Data Analysis:** ETL, Data Cleaning and Preprocessing/Exploratory Data Analysis (EDA), Statistical Analysis and Hypothesis Testing, Advance Feature Selection Techniques, SQL for Data Retrieval and Manipulation.
- Technical Skills:** Python, My-SQL, Tableau, Microsoft Excel
- Python Packages and Frameworks:** LangChain, OpenAI, TensorFlow, keras, Hugging Face Transformers, NLTK, Beautiful Soup, Scikit-learn, NumPy, Pandas, SciPy, Streamlit.

EXPERIENCE

DYSMECH COMPETENCY SERVICES PVT. LTD. PUNE

Analyst L3- Data Science

01/2024 - 05/2024

- Orchestrated an e-commerce ML project targeting late delivery risks, resulting in reduced rejections and costs.
- Oversaw comprehensive data processing and feature engineering for impactful model development in e-commerce.
- Optimized model performance through meticulous metric assessment, reducing false positives by 20% and increasing loan approval rates by 10% in the banking sector.
- Integrated solutions seamlessly, boosting profitability and customer satisfaction.

REKHA ENTERPRISES, AHMEDNAGAR

Data Analyst

04/2022 - 09/2022

- Data Management:** Collect, clean and preprocess diverse data sources for analysis.
- Analysis and Visualization:** Conducted EDA, contributed to feature engineering, and crafted compelling visualizations.
- Machine Learning Collaboration:** Assisted in developing and deploying machine learning models under expert guidance.
- Documentation and Continuous Learning:** Maintained comprehensive documentation, fostered team collaboration, and embraced continuous learning through the latest data science advancements.
- Tool Used:** Python, Tableau, SQL, MS EXCEL

OM HANDLING MATERIAL PVT. LTD. PUNE

Assistant Engineer (Data Analyst)

10/2019-03/2022

- Strategic Planning and Reporting:** Developed and implemented budget/expenditure reports, strategic business plans, and marketing strategies.
 - Data-Driven Decision-Making:** Leveraged diverse data analysis techniques to transform raw data into actionable insights, optimizing decision-making processes and enhancing business outcomes.
 - Issue Resolution:** Spearheaded the development and implementation of a comprehensive issue resolution framework, resulting in uninterrupted workflow, improved operational efficiency, and a 20% reduction in turnaround time.
- Achievements:**
- Researched and built relationships with 20+ new clients by planning approaches and pitches.
 - Helped sales representative grow their territory sales by 24%.

ACADEMIC – DATA SCIENCE PROJECTS

Project 1. THE CURIOSITY ENGINE: YOUR KNOWLEDGE JOURNEY WITH AI-POWERED NEWS ANALYSIS – LLM

- Business Objective:** Deployed News Research tool, Leveraging LangChain and OpenAI, to facilitate seamless extraction of relevant information from provided news articles in response to user queries, enhancing data accessibility and knowledge acquisition.
- Approach:**
 - Collected and organised diverse data from various sources using URL extraction. Loaded data into LangChain and split into chunks.
 - Transformed text chunks into numeric vectors and stored in a vector database for easy retrieval.
 - Order vectors based on their similarity to question embeddings and pinpoint the closet vectors representing related chunks.
 - Effortless mapping from questions to answers using language models and semantic analysis of news articles.

Project 2. SMS SPAM DETECTION – NLP (NATURAL LANGUAGE PROCESSING)

- Business Objective:** Improved user experience and security by minimizing exposure to unwanted and potentially harmful SMS spam.
- Approach:**
 - Implemented advanced pre-processing technique to clean, normalize and enrich SMS text data, improve model performance.
 - Employed Bag-of-Words (BOW) and TF-IDF tokenization methods to transform text into numerical vectors, enabling machine learning algorithms to analyse word patterns and relationships.
 - Achieved a remarkable 97.09% accuracy and 100% precision in classifying spam messages, significantly reducing user exposure to unwanted content.

Project 3. PREDICT THE RISK OF LATE DELIVERY FOR CUSTOMER ORDERS USING MACHINE LEARNING TECHNIQUES

- Business Objective:** Enhancing e-commerce profitability and customer satisfaction through machine learning-driven order rejection reduction and cost minimization.
- Approach:**
 - Data Collection and Preprocessing:** Gather and clean historical order data to ensure data quality
 - Feature Engineering and Model Building:** Engineer relevant delivery impact features and develop predictive ML model
 - Performance Evaluation and Implementation:** Evaluate model performance with a range of metrics, including accuracy, F1 score, precision, and recall, to ensure comprehensive assessment.

CERTIFICATIONS

- Certified in Deep Learning with hands-on expertise in computer vision, NLP, and sentiment analysis using TensorFlow and Keras.
- Certified in MS Excel with demonstrated expertise in data manipulation, analysis, and visualization.
- Tableau Data Visualization Certification, specializing in advanced data visualization, dashboards, and storytelling.
- Completed Python for Data Science course, demonstrating commitment to continuous learning and skill enhancement.

EDUCATION

- PGP-DSE from Great Lakes Institute of Management

Bachelor of Engineering (Mechanical) RCPIT

12th Std (General) A.G.R.G. jr. College

2023

2018

2014