Sai Kiran

Data Science Enthusiast

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SUMMARY

Data science professional with experience which includes 5+ projects where I have worked on Sentiment Based Product Recommendation Systems, Information Retrieval and Automatic Ticket Classification., currently pursuing a Master's in Data Science from LJMU. Skilled in data manipulation and visualisation, with proficiency in Python, SQL, Tableau, and Power BI, along with a strong passion for analytics.With strong communication skills, currently seeking a Data Science Internship to apply technical expertise in supporting data-driven decision-making and contributing to business growth.

KEY SKILLS

• Data Analysis • Exploratory Data Analysis (EDA) • Machine Learning • Data Interpretation & Decision Making
• Data Mining •Risk Analysis & Fraud Detection • Text Classification & Sentiment Analysis • Data Visualisation

TECHNICAL SKILLS

Tools/Languages: Python (Pandas, NumPy, Scikit-learn, NLTK), SQL, Tableau
Database: MySQL
MS Excel (Advance)

EDUCATION

Masters in Data Science — Jan '24 - Dec '25
Liverpool John Moores University — Bengaluru, IN

- **Course Modules:**
  - Data Analysis using SQL | Introduction to Python | Introduction to Machine Learning and Linear Regression
  - Time Series Analysis | Telecom Churn Case Study | Lexical Processing | Syntactic Processing
  - Sentiment Analysis | Gen AI | NLP

Bachelor of Science in Agriculture — Jul '19 - Sep '23
Centurion University of Technology and Management — Odissa, IN

Scored 83%

KEY PROJECTS

Domain: Recommendation Systems | Tech Stack: Python, Flask, Scikit-learn, BERT, Vader, Pandas | Jan '25

- Objective:To recommend products based on sentiment analysis of Amazon reviews.
- Solution: Developed a recommendation system leveraging NLP-based sentiment analysis.
- Key Achievement: Processed 100,000+ e-commerce reviews, implemented BERT & Vader (**87% accuracy**).

Domain: Information Retrieval | Tech Stack: Python, LangChain, LlamaIndex, NLP, SQL, Flask | Dec '24

- Objective:To develop an NLP-based system that efficiently retrieves relevant documents by understanding and processing user queries.
- Solution: Developed a query-based document retrieval engine using LangChain & LlamaIndex.
- Key Achievement: Improved document search efficiency by **60%** through fine-tuned embeddings & sub-query engines.

Domain: Automatic Ticket Classification | **Tech Stack:** Python, Scikit-learn, Pandas, NLTK, BERT, TF-IDF | *Oct '24*

- **Objective:** To automate the classification of unstructured customer complaints into predefined categories across financial products like credit cards, loans, and banking.
- **Solution:** Built a ticket classification system using NLP techniques to automatically tag complaints and route them to the appropriate department.
- **Key Achievement:** Achieved **92% F1 Score and 92% accuracy** using Logistic Regression, with Random Forest as a reliable backup (82% F1 Score), significantly improving complaint classification accuracy.

CERTIFICATIONS

- **Certificate of Data Science Programming Bootcamp |** Upgrad
- **Certificate of Accomplishment** | Gram Tarang Inclusive Development Services Pvt Ltd