KRISHNAKANT BHUTADA

Data Science Engineer

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Programming Languages : **SQL, Python, Pyspark, C++**
Tools and Technology : **Databricks, Datalake, SQL server, OLLAMA ,Angoss, Git, Azure boards**
Machine Learning : **Logistic Regression, Random forest, XG boost, Decision Tree, KNN**
APIs and Frameworks : **Langchain, Gemma, Open AI api**

EDUCATION

	CGPA	Year
Bachelor's of engineering Pune Institute of Computer Technology	9/10	2022

WORK EXPERIENCE

Bajaj Finserv - Debt Management Services
Data Science Engineer
Jul'22 - Present

Data Quality Index (DQI) Project:

- Addressed the issue of **customer non-contactability** by developing a **Logistic Regression** model to predict the probability of customers becoming non-contactable.
- Procured alternate contact data from various sources and bureaus to mitigate the risk of losing contact and **successfully increased contact rates by 3%** through a Logistic Regression model.
- Leveraged a Large Language Model (LLM) to provide enriched information to field agents.
- Developed an interface allowing agents to query the database using natural language.
- **Utilized OpenAI's 3.5 Turbo model and the LangChain framework** to enable the LLM to translate natural language queries into SQL and deliver the desired output.

Risk Segmentation Model:

- Optimized resource allocation by **identifying the top 20% of high-risk customers** through an **XGBoost model** that calculated the **probability of customer payment** and segmented customers accordingly
- Analyzed customer payment trends to determine risk levels.
- Enabled the business to focus efforts on high-risk customer segments, enhancing operational efficiency and **increasing collection efficiency** from **96.2% to 96.8%.**

Tele-calling Allocation Model:

- **Reduced high commissions paid to field agents** by identifying customers likely to pay within 10 days of default using a **Decision Tree classification model**.
- Prioritized cases for tele-calling efforts based on the model's predictions.
- **Optimized resource utilization** and achieved **cost savings** by efficiently resolving cases through tele-calling, minimizing reliance on more expensive field agents.

Personal Project

Summarify :

- Utilized **OpenAI's 3.5 Turbo model** and **LangChain framework** to efficiently **summarize** content from videos and webpages.
- Extracted and transformed complex information into clear, actionable summaries, enhancing accessibility and comprehension for users.

Awards and Recognition

1. **Star Performer**: Led the successful migration from SQL Server to Azure Databricks.
2. **Kudos**: Achieved successful implementation of the Hub and Spoke model across India.
3. **Kudos**: Key contributor to the LLM model development which helped increasing customer contactability by 3 %.

Hobbies : Playing chess, Reading books