Decision Scientist

PRAGUN KUTLEHRRIA

8629855529 | pragunkutlehrria@gmail.com
https://www.linkedin.com/in/pragun-kutlehrria/
Bangalore, Karnataka 560066

Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python
- Power BI and Basic Tableau
- MS-Excel
- Business Communication
- Client Presentation
- Knowledge of GCP
- SAS
- Rapidminer ETL Tool
- Generative AI and Machine Learning: Hands-on experience with LLMs, MLLMs, LangChain, OpenAI, vector databases, fine-tuning, Hugging Face, Pinecone, A/B testing, and both manual and automated data annotation
- Chatbots (RAG, Hugging face and BERT)
- Data Modeling (Applied to ARAMCO SABIC PETROCHEMICAL Company)
  Utilized predictive modeling for sales forecasting, prescriptive modeling for inventory optimization, and statistical modeling—such as regression analysis—for data-driven decision-making.

Projects

ANALYSIS OF MICROSOFT SKYPE DATASET PRODUCT GROWTH AND FRAUD USER DETECTION – MU SIGMA CLIENT September 2023

- Analyzed user transaction data (FREE and PAID) across products using SQL to identify usage patterns and trends.
- Identified primary and secondary KPIs and product metrics, aligning with the business team to drive product growth and strategic decision-making
- Calculated DAU, WAU, and MAU to measure user retention and support product growth analysis.
- Cleaned and processed large datasets using Python (Pandas) for accurate insights and error handling.
- Created interactive dashboards in Microsoft Titan to visualize user trends, regional engagement, and payment preferences.
- Developed machine learning models and conducted A/B testing to optimize user retention and drive product growth.
- Performed trend analysis on new user acquisition channels to identify seasonal behaviours and growth opportunities.
- Analyzed customer churn rate and detected fraudulent transactions through monthly data collection and pattern analysis.
- Measured app engagement and paid service adoption post-launch of the AI Bing Bot feature in Microsoft products.

SABIC – MU SIGMA CLIENT Jan 2024

- Built ETL pipelines using RapidMiner to streamline data processing workflows
- Applied data modeling techniques at ARAMCO SABIC PETROCHEMICAL Company to support strategic business decisions through various modeling approaches
- Developed predictive models for accurate sales forecasting, enabling better demand planning and resource allocation.
- Implemented prescriptive models to optimize inventory levels, reducing holding costs and improving supply chain efficiency.
- Utilized statistical modeling—such as linear and logistic regression—to uncover key production and operational drivers, enhancing decision-making capabilities.
- Worked cross-functionally with business analysts and domain experts to align model outputs with organizational KPIs and performance metrics.
- Designed and maintained database tables, optimized complex queries, removed duplicates, and managed large datasets for efficient data processing.
- Collaborated with the stored procedure team to optimize SQL queries, ensuring efficient API performance and reduced response times.
- Extracted and manipulated relational data using advanced SQL operations including JOINs and VIEWs.
- Applied aggregation and filtering techniques to transform raw data and improve production accuracy.

- Integrated SQL data into Power BI dashboards; leveraged DAX to validate and enhance data accuracy.
- Wrote complex SQL queries to uncover actionable insights and support data-driven decisions.
- Advised clients on advanced data technologies to optimize data usage and performance.
- Collaborated with clients to define KPIs and metrics aligned with business goals for dashboard reporting.
- Delivered clear, insight-driven presentations to support sales optimization and production strategy.

GENERATIVE AI AND MACHINE LEARNING – MU SIGMALABS July 2024

- Created LLM model using Lang chain framework and OPENAI to extract the data from MSSQL server using NLP.
- Built an LLM-based solution using LangChain and OpenAI to extract data from MSSQL Server via natural language queries.
- Fine-tuned LLM models to reduce errors and improve result accuracy.
- Developed a chatbot using RAG (Retrieval-Augmented Generation) to minimize hallucinations and improve reliability.
- Applied machine learning concepts including supervised and unsupervised learning, regression, NLP, and error handling.
- Contributed to the development of Mu Sigma's Mu-Talos product, leveraging vector databases and generative AI to derive actionable data insight.
- Collaborated with the AI team to develop CEO-level chatbots for Dhiraj Rajaram, enhancing executive communication and decision support through LLM-powered solutions.

Career Graph

Duration	Organization	Designation
July 2023 – Feb 2025	MU SIGMA Bangalore, India	Trainee Decision Scientist 2

Work Experience

MU SIGMA BUSINESS SOLUTIONS PRIVATE LIMITED – Bangalore, India July 2023 – Feb 2025

- Managed three key client accounts at Mu Sigma, collaborating closely to address complex business challenges.
- Analyzed user engagement, churn rates, and regional growth opportunities for Skype to drive strategic decisions.
- Extracted actionable insights and developed interactive dashboards to optimize product production for SABIC.
- Implemented cutting-edge AI solutions in Mu Sigma Lab Technologies to solve client-specific business problems.

Education

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING –Chandigarh group of colleges – Mohali, Punjab 2019-2023

Achievements

Mu Sigma

- Received Spot Award and Client Appreciation at Mu Sigma for consistently delivering high-quality work within tight deadlines.
- Conducted knowledge-sharing and business orientation sessions for new team members to accelerate onboarding.
- Initiated client discussions to explore the adoption of emerging technologies aligned with business needs. Pitched AI-driven solutions to clients, demonstrating value through innovation and data-driven insights.
- Served as Scrum Master for 3 months, leading agile ceremonies and ensuring effective team collaboration and sprint delivery.

College

Demonstrated leadership skills during academic tenure by co-authoring a research paper with Dr. Gagandeep Bhullar, showcasing initiative and collaboration in academic research.