Rishabh Tripathi – Curriculum Vittae

Associate Consultant
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Technical Skills
- Python | SQL
- Apache Superset | PowerBI
- GenAI (ChatGPT, GPT API)
- MySQL | Postgres | Clickhouse | Oracle
- DevOps tools – Docker | Jenkins | Git | Prometheus
- UAT | Jira | GraphQL API testing
- AWS EC2 | GCP Compute
- Image Processing

Education, Licenses & Certifications
- ■ Bachelors of Technology (CS) – Rajiv Gandhi Proudyogiki Vishwavidyalya GPA – 8.31
- ■ Hackerrank – 5* in Python and Problem Solving

Achievements
- ■ Consistently rated "Exceeds Expectations" in all the year-end/ mid-term performance appraisals in last 2 years
- ■ Rising Star – KPMG (Dec 2021)
- ■ Kudos – KPMG (March 2023)

Skills
- ■ Stakeholder management
- ■ Innovation/ new product development
- ■ Resilience under pressure

Background

Rishabh is a data analyst with more than 2.5 years of experience in Data Analytics enabled digital transformation to analyze and creatively interpret data to provide organizations with effective solutions and assist with decision making. He had the opportunity to work with clients from diverse sectors, including Manufacturing, Healthcare, Telecom, Banking, and Retail. His expertise lies in utilizing technologies such as Python and SQL databases like MySQL, Postgres, and ClickhouseDB, as well as visualization tools like PowerBI and Apache Superset.

Professional Experience

Gen-AI Integration with Database (Proof of concept - POC)
- Led POC to develop a chatbot using **Tkinter-Python** leveraging OpenAI's **GPT 3.5 Turbo API** for sophisticated Natural Language Processing allowing users query their database.

  Chatbot provides the functionality to integrate with any dataset in **PostgresDB** and provides insights from the dataset by asking questions in English language (e.g. – Show top 5 suppliers by spend/ category).

Product Reporting using Apache Superset - Tanla
- Worked with industry leading CPaaS client to singlehandedly create reports and dashboards churning out insights for their flagship Anti-Phishing product thereby driving business KPIs and identifying critical flaws during the build stage of the product.
- Assisted senior stakeholders to take data driven decisions and make required amendments to the product suiting dynamic market requirements.
- Played a pivotal role in solidifying **Apache Superset's** position as a viable solution by taking the initiative to learn the platform from scratch, conducting extensive feature exploration and actively engaging with its creators and contributors developing engaging reports optimized for best user experience. Platform POCs were conducted with **Vodafone-Idea, HDFC, ICICI and Kotak-Mahindra** Bank.
- Single handedly designed data model and wrote **SQL** queries to process more than 30 million transactions per day on **ClickHouse** DB

Procurement Analytics - KBL
- Spearheaded a comprehensive data analytics project for procurement process of Kirloskar Brothers Limited covering 7 manufacturing sites and yearly revenue amounting **~20B INR** helping senior leadership with data driven decision making.
- Developed dashboards using **PowerBI** while creating and managing a central data repository on **Microsoft SQL Server** as datasource.
- Automated data load by developing **data pipeline** using **Python** for data load, transform and ingestion into SQL server from FTP.

Image Processing POC – Drone Data Validation
- Developed **Python** code to analyze and validate Exif data from 18000 images taken for **NHAI's drone monitoring system** against the parameter specified by the client to ensure data accuracy.
- Executed the entire validation process on **GCP** virtual machine running **Ubuntu OS** optimizing resource utilization for efficient analysis.
- Engaged in discussions for selection of parameters crucial for reconstruction of maps using images and finalized the stack for mapping (WebOdm on Kubernetes)

Revenue Assurance using Oracle – Axis Bank
- Executed KPIs for assessment of revenue leakage in various products/services offered by them like Credit Card, Merchant Discount Rates and Treasury.
- Used Oracle DB to write logics and evaluate KPIs in a time effective manner thereby facilitating client to take business decisions to minimize the revenue leakage.

Audit process automation using Python – KGS
- Automated various audit processes using python for KGS's IPA platform which can be accessed on a pay per use model.
- Used **Pandas** module in Python for importing excel files into dataframes and performing calculations as per the defined functional logic.

Product management and UAT – Dr Reddy Labs
- Worked as an assistant product manager for development of full suite healthcare platform offering for doctor appointment, patient queries, medicine order and patient profiling.
- Lead a team of 3 and performed User Acceptance Testing on the admin platform and API testing using **GraphQL** on APIs being consumed by the platform for onboarding stakeholders.