Rishav Chatterjee

Technology Leader

I help companies turn complex datasets into clear, actionable insights through advanced data modeling and visualization.

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Location: Delhi

Experience: 7+ years

LinkedIn   GitHub   Medium

PROFESSIONAL SUMMARY

I specialize in building scalable data architectures using modern cloud platforms like AWS and Azure, and I'm highly proficient in tools like Python, SQL, Spark, and various BI tools including Tableau CRM, Qlik Sense, Power BI, and Preset. From streamlining programmatic pipelines and integrating enterprise systems like NetSuite and Salesforce, to delivering mission-critical dashboards for C-level executives—I've consistently aligned data solutions with business strategy.

To stay ahead in today's fast-paced environment, I actively integrate AI into my workflow. I leverage tools like GitHub Copilot, Claude, and ChatGPT for code assistance, debugging, and technical documentation. I'm also developing AI agents using Ollama and Autogen frameworks to automate and scale analytical tasks.

With experience across top firms, I build scalable, interactive dashboards and analytics solutions—leveraging AI tools to boost productivity and drive smarter, data-informed decisions.

PROFESSIONAL EXPERIENCE

Dec 2022 - Present

Technology Lead

Bitwise Solutions Pvt Ltd, Pune, Maharashtra

- Initiated B2B analytics reporting with key insights through Funnel Analysis, Forecasting, and more
- Optimized Programmatic Advertisers pipeline, reducing processing time by 60%
- Executed NetSuite invoice data integration with Salesforce
- Led migration from Qlik Sense to Python for Datorama nPrinting
- Implemented data-driven decision making across business units leading to 25% increase in revenue
- Architected cloud-based data solutions that reduced infrastructure costs by 30%

Data Engineering   Cloud Infrastructure   Team Leadership   Machine Learning   Enterprise Integration

May 2020 - Dec 2022

Senior Data Engineer

Novartis Healthcare Pvt Ltd, Hyderabad, Telangana

- Migrated from HIVE to Snowflake, increasing pipeline performance by 60%
- Orchestrated jobs using Apache Airflow and Alteryx, improving system speed by 40%
- Maintained 99.5% data accuracy with 9.5/10 stakeholder satisfaction

- Led team of 3, collaborating with 15+ data vendors and 10+ brand leaders

Data Migration   Process Automation   Team Mentoring

Jun 2018 - Apr 2020

Data Engineer

Polestar Solutions and Services, Noida, Uttar Pradesh

- Worked with Jubilant FoodWorks to reduce production pipeline execution time by 66%
- Migrated IndiaMART's on-premises system to AWS
- Delivered automated prediction model workflows for Reckitt Benckiser using Azure Databricks
- Successfully started cloud-based services as a new vertical for the organization

Key Clients:

Jubilant FoodWorks Limited

The aim of this project was to develop, maintain and upgrade data pipelines to automate and optimize the production process on AWS Infrastructure. Successfully reduced the execution time for the production pipeline by 66% and decreased the cost of Data Storage on Amazon Redshift by 50%.

IndiaMART InterMESH Ltd

This project aimed at migrating the existing on-premises system to Amazon Web Services and generate Power BI reports for Sales and HR by extracting Parquet files from Amazon S3 and creating a warehouse in Amazon Redshift while processing the data in AWS Glue using Pyspark.

Reckitt Benckiser Group

In this project, the aim was to deliver automated workflows of the prediction model using Azure Databricks. Data needed to be extracted from Azure Blob Storage and Azure SQL Data Warehouse, then process the Parquet files are shared with DataRobot and finally the output is sent to the cube.

AWS Services   Azure Databricks   Data Pipeline Optimization

TECHNICAL SKILLS

Python
- Pandas
- SQLAlchemy
- Selenium
- Pyspark
- Sklearn

SQL
- SQL Server
- Postgre SQL
- Spark SQL
- SnowSQL

ETL Tools
- AWS Batch
- AWS Glue
- Azure Databricks
- Alteryx

Analytical Tools
- Tableau CRM
- Microsoft Excel

Project Management
- JIRA
- Confluence

Soft Skills
- Effective Communication
- Client Management

- Qlik Sense
- Preset
- Power BI
- Trello
- Figma
- Problem-solving
- Prompt Engineering
- Leadership

Cloud Services

- AWS
- Azure
- Databricks

Data Warehouse

- Redshift
- Azure SQL DWH
- Snowflake

Big Data Tools

- Apache Spark
- HIVE

NOTABLE PROJECTS

Interactive Sales Analytics Dashboard

Created a comprehensive sales analytics dashboard with drill-down capabilities and predictive forecasting for a retail client.

Technologies: Python, Tableau CRM, SQL, AWS

ETL Pipeline for E-commerce Data

Developed a robust ETL pipeline that processes millions of daily transactions and integrates multiple data sources for a global e-commerce platform.

Technologies: Python, Apache Spark, AWS Glue, Redshift, Airflow

Customer Segmentation Analysis

Performed advanced customer segmentation using machine learning techniques to identify high-value customer groups and personalization opportunities.

Technologies: Python, scikit-learn, Pandas, Matplotlib

Automated Marketing Performance Reporting

Built an automated system that pulls data from multiple marketing platforms and generates comprehensive performance reports with minimal manual intervention.

Technologies: Python, Google Analytics API, Google Ads API, Facebook Marketing API, Preset

Cloud Data Warehouse Migration

Led the migration of a legacy data warehouse to a modern cloud-based solution, improving query performance by 70% and reducing operating costs.

Technologies: Snowflake, AWS, Python, dbt

Real-time Data Processing System

Designed and implemented a real-time data processing system that handles high-volume streaming data for immediate business insights.

Technologies: Apache Kafka, Apache Spark Streaming, Redis, ElasticSearch

Automated Data Pipeline with AI

Built an automated data pipeline that uses machine learning to detect anomalies in real-time data streams. The system employs a combination of

Natural Language Processing for Business Insights

Developed an NLP solution that analyzes customer feedback across multiple channels and extracts actionable business insights. This tool helped

statistical methods and neural networks to identify patterns that deviate from expected behavior.

Technologies: Python, TensorFlow, Apache Kafka, Docker

stakeholders understand customer sentiment and identify emerging issues quickly.

Technologies: Python, NLTK, spaCy, Hugging Face Transformers

Predictive Analytics Dashboard

Created a real-time dashboard that uses AI to predict business metrics and forecast trends. The system integrates with multiple data sources and provides visual analytics with predictive capabilities.

Technologies: Python, Scikit-learn, ReactJS, D3.js

AI-powered Content Recommendation Engine

Built a content recommendation engine that uses collaborative filtering and deep learning to suggest personalized content to users based on their behavior and preferences.

Technologies: Python, PyTorch, FastAPI, Redis

EDUCATION

Aug 2014 - May 2018

Bachelor's Degree in Environmental Engineering

Delhi Technological University (DTU)

Focused on environmental engineering principles and sustainable technologies. Participated in multiple research projects related to waste management and environmental impact assessment. Developed strong analytical and problem-solving skills through practical lab work and field studies. Active member of the Engineering Society and Environmental Club.

Apr 2013 - Mar 2014

12th Education in Physics, Chemistry, Mathematics

LBS Senior Secondary School - FIITJEE

Completed senior secondary education with specialization in science subjects. Achieved academic excellence with particular strength in mathematics and physics. Participated in various inter-school competitions and science exhibitions. Developed strong foundations in analytical thinking and scientific concepts that later supported engineering studies.

Apr 2011 - Mar 2012

10th Education in English, Mathematics, Science, Social Studies, Sanskrit

MVN School, Aravalli Hills

Completed foundational education with a strong academic record across all subjects. Actively participated in various extracurricular activities including sports, cultural events, and science exhibitions. Received recognition for academic performance and leadership skills in group projects and classroom activities.