

Roopesh Kumar

Data Scientist



rupeshkumar21344@gmail.com



9963433162



[Linkedin](#)

Accomplished Data Scientist with expertise in data analytics, ETL processes, and predictive modeling. Proficient in Python, SQL, Power BI, and machine learning techniques. Skilled in translating complex datasets into actionable insights for business decision-making. Passionate about leveraging emerging technologies to solve real-world problems, with a proven track record of delivering scalable solutions that enhance operational efficiency and drive strategic outcomes.

Experience

Jr Data Scientist ,Qx Impact

Feb 2023- Present

- **Data Extraction:** Extracted data from APIs using **OAuth 2.0 authentication**, ensuring secure and seamless access to external data sources.
- **ETL Processes:** Developed and maintained SQL scripts for ETL, streamlining data extraction, transformation, and loading processes, resulting in improved data accuracy and timeliness.
- **Data Analysis:** Conducted comprehensive data analysis to uncover trends, patterns, and anomalies, providing actionable insights that directly supported data-driven decision-making and reporting.
- **Data Migration:** Led data migration projects from QlikView to **Power BI**, ensuring smooth transitions and minimal downtime across systems, benefiting cross-departmental reporting.
- **Product Demand Forecasting:** Built a demand forecasting model for manufacturing clients, covering 2,000 products using **time series** data. Achieved a low Mean Absolute Error (MAE) by leveraging XGBoost and engineered lag features.
- **Customer/Product Segmentation:** Developed a customer segmentation model using RFM features, enabling clients to monitor 2,000+ customer segments on a monthly basis and improve targeted strategies.
- **Data Visualization:** Created insightful **Power BI dashboards** to visualize complex datasets, empowering non-technical stakeholders to make informed decisions with real-time data access.
- **Backend System Development:** Built and enhanced a backend service for a real-time Production Planning System using **FastAPI**, integrated with a React frontend to perform live metric recalculations, validation, caching, and permission handling. The solution supports manufacturing use cases like inventory forecasting, transfer planning, and demand-supply balancing.

Education

International Institute of Digital Technologies

Nov 2021 - Jan 2023

- Masters - Data science

Sri Venkateswara University

Jun 2018- Jun 2021

- Bachelors - Mathematics, Statistics & Computer Science

Skills

- **Languages & Tools:** Python, SQL, Excel
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, TensorFlow, Keras, FastAPI
- **Techniques:** Data Analysis, Statistics, Machine Learning, Deep Learning
- **Visualization:** Power BI
- **Cloud:** Azure, Azure Web App