

SPARSH BANSAL

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SUMMARY

Results-driven **Data Analyst** with strong analytical and data engineering skills, experienced in extracting, transforming, and visualizing data to support business decision-making. Proficient in **SQL**, **Python**, **Power BI**, **Classification** and **Regression modeling**, and **ETL pipelines**, with exposure to **cloud platforms** like **Azure** and **GCP**. Proven ability to automate reporting, collaborate cross-functionally, and deliver actionable insights from large datasets.

SKILLS

- | | | | |
|----------------------|-----------------------------|------------------------|---------------------------------------|
| • Python | • Hypothesis Testing | • Azure | • GCP Dataproc |
| • SQL | • Pandas & NumPy | • Databricks | • Git & GitHub |
| • Power BI | • Data Visualization | • ETL Pipelines | • Business Intelligence |
| • Excel | • Data Analytics | • PySpark | • Scikit-learn |
| • A/B Testing | • Data Modeling | • Spark SQL | • Probability & Statistics |

EXPERIENCE

MICROCHIP TECHNOLOGY

Application Engineer

07/2023 to 04/2025

- Developed and maintained **Power BI dashboards** to track production, procurement, and inventory KPIs, enabling real-time business insights and improved decision-making.
- Wrote and optimized **complex SQL queries** to extract, transform, and analyze structured data from relational databases, cutting report generation time by **70%**.
- Conducted **exploratory data analysis (EDA)** and **A/B testing** on large-scale operational datasets (10M+ records), uncovering patterns that improved efficiency by **30%**.
- Collaborated with stakeholders to build **regression-based demand forecasting models**, resulting in a **30% reduction in procurement costs**.
- **Automated ETL pipelines** using **Python** and **PySpark**, eliminating manual handling of raw production data and saving **15+ hours of weekly effort**; transformed data was loaded via **Azure Data Factory** into **Azure Synapse Analytics** using **Databricks**.

MICROCHIP TECHNOLOGY

Intern

01/2023 to 06/2023

- Facilitated data collection, cleaning, and visualization for customer **behavior analysis**, yielding actionable recommendations.
- Wrote **SQL queries** to produce **ad-hoc reports**, reducing data request response time by **40%**.
- Delivered weekly updates to senior analysts and management regarding project status and insights.
- Enhanced data accuracy by 20% through effective cleaning and preprocessing using **Python** (Pandas and NumPy).

EDUCATION

M.TECH, NIT Kurukshetra

B.TECH, GCET, Greater Noida

CERTIFICATIONS

- Codebasics ([Python for data professionals](#), [Math and Statistics for Data Science](#), [SQL for Data Science](#))
- Coding Ninjas ([Data Analytics](#))