SANCHI GUPTA

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SUMMARY

Data Analyst with 2+ years of experience across sales, inventory, HR, & logistics analytics. Proficient in SQL, Python, Power BI (Microsoft Certified: Power BI Data Analyst Associate), & Excel, with a strong focus on building reliable dashboards, analyzing trends, & supporting data-driven business decisions

WORK EXPERIENCE

Data Analyst Intern | Allagash Brewing Company   01/2025 - 03/2025
Boston, MA

- Designed & maintained Power BI dashboards to track transportation spend, delivery times, & key logistics KPIs for operations reporting
- Built a rule-based truck recommendation logic using shipment data & weather inputs to support transportation decisions & reduce spoilage risk
- Partnered with operations & logistics teams to validate data accuracy, align KPI definitions, & support reporting needs

Data Analyst | Falcon Cables   05/2022 - 08/2023
Delhi, India

- Owned recurring sales & inventory reporting by maintaining Power BI dashboards used by sales & operations teams
- Analyzed product-wise & region-wise sales trends with inventory movement to identify slow-moving items & stock-out risks
- Acted as a data bridge between sales, inventory, & dispatch teams by reconciling datasets & resolving reporting discrepancies

HR Analyst | BimSrv LLP   04/2021 - 04/2022
Delhi, India

- Decomposed time-to-fill into approval lag, sourcing duration, interview cycles, & offer-to-join time to pinpoint recruitment delays by role
- Segmented attrition into 0–30, 31–90, 91–180, and 180+ day buckets & correlated with tenure & attendance to identify early attrition risk patterns
- Maintained monthly HR tracking reports in Excel by consolidating employee, attendance, & recruitment data to support HR operations

PROJECTS

Chicago Traffic Crash Analysis
Tools used: Azure Blob Storage, Databricks (PySpark), Snowflake, SQL, Tableau

- Built ETL pipelines in Databricks with schema validation on 2M+ records, improving data quality and reliability
- Designed Tableau dashboards on crash severity and driver behavior, enabling city leaders to make data-driven safety decisions

Emergency Care Analytics Dashboard (Healthcare)
Tools used: Power BI, DAX, Power Query, Google BigQuery

- Designed scalable ETL workflows in Power BI to integrate hospital data from BigQuery
- Created DAX-powered dashboards to track patient wait times, reducing bottlenecks and improving resource allocation

A/B Testing Case Study (Clickstream CTR)
Tools used: Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn)

- Processed 200K+ clickstream records, handling missing values, duplicates, and outliers for clean experiment data
- Executed controlled tests with Z-tests and confidence intervals, delivering reliable insights that guided engagement strategy

AI-Powered Text-to-SQL Chatbot
Tools used: OpenAI API, LangChain, OpenShift, Docker

- Enhanced chatbot accuracy by 20% through iterative prompt design and response testing
- Worked with semi-structured/unstructured queries to improve data accessibility for non-technical users

EDUCATION

Northeastern University, Boston, MA   09/2023 – 03/2025
Master of Analytics (STEM-Designated); GPA: 3.98/ 4.00

Guru Gobind Singh Indraprastha University, Delhi, India   08/2017 – 05/2020
Bachelor of Business Administration; CGPA: 3.23/ 4.00

TECHNICAL SKILLS

Python (Pandas, NumPy), SQL, R, Power BI (DAX, Power Query), Tableau, Databricks (PySpark), Snowflake, Google BigQuery, Azure Blob Storage, Excel (Advanced), A/B Testing, Exploratory Data Analysis (EDA), Git, Docker, OpenShift

CERTIFICATIONS

Microsoft Certified: Power BI Data Analyst Associate (PL-300), Microsoft, August 2025