



SAKSHI SINGH

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🏆 Certifications

Education

Year	Degree/Certificate	Institute	CGPA/%
2022 - 2026	B.Tech in Production Engineering	National Institute of Advanced Manufacturing Technology, Ranchi	7/10
2021	Intermediate	DAV Public School, Siwan	82.6%
2019	Matriculation	Sanghmitra Public School, Siwan	90%

Experience

Analytics Resources

Jun 25 – Aug 25

Data Analyst Intern

Remote

- Integrated Product APIs from Amazon, Flipkart, Myntra, and travel platforms to extract **10K+ product/travel records**, implementing ETL pipelines for data cleaning, transformation, and exploratory analysis.
- Performed statistical analysis to identify **seasonal trends, category performance patterns, and profit optimization opportunities**, delivering actionable insights that enhanced revenue strategies.
- Created analytical dashboards and curated recommendation systems, enabling data-driven decision making and delivering **personalized user experiences** across e-commerce and travel platforms.

Projects

F1 World Championship Data Analysis 📊 | Python, Pandas, NumPy, Folium, Matplotlib, Seaborn

- Developed an **ETL pipeline** for data analytics, integrating 25k+ F1 records using Pandas and NumPy for data wrangling and statistical analysis, achieving 95% data accuracy.
- Conducted **exploratory data analysis (EDA)** and **statistical modeling** with **IQR-based outlier detection**, delivering **business intelligence** on performance trends, reducing data anomalies by 20%.
- Developed **interactive geospatial visualizations** using Folium and data visualizations with Matplotlib and Seaborn, including **correlation heatmaps** and **time-series analysis**, for comprehensive Data insights.

IBM Employee Attrition Analysis 📊 | Python, Pandas, NumPy, Matplotlib, Seaborn

- Performed **exploratory data analysis** on **1,470 employee records** using Python, Pandas, and statistical modeling to identify overtime, commute distance, job satisfaction, and income as primary attrition drivers, providing **actionable insights** for HR retention strategies.
- Developed **interactive dashboards** and **correlation visualizations** using Matplotlib, Seaborn, and data visualization techniques to analyze workforce patterns and demographics, enabling **data-driven decision making** for proactive employee retention management.

Advance Data Warehouse Analysis 📊 | SQL

- Built **data warehouse** with Medallion Architecture (Bronze-Silver-Gold) and **automated ETL pipelines** for ERP/CRM data transformation and quality validation.
- Designed optimized **star schema** dimensional models enabling efficient analytical queries for customer segmentation, product profitability, and sales forecasting.
- Developed **analytical data models** and optimized **SQL queries** supporting **BI reporting** for customer behavior, product performance, and sales trend analysis.

Technical Skills

Languages: C, Python, SQL, HTML, CSS

Tools & Platforms: VS Code, Git, GitHub, Jupyter Notebook, Google Colab, Kaggle, Tableau, Power BI, Excel, JIRA

Databases & Libraries: MySQL, PostgreSQL, MS SQL Server, Pandas, NumPy, Matplotlib, Seaborn

Achievements

- Won **Inter-College Business Plan Competition** through market analysis and data-driven financial projections.
- Led **growth analytics and partnerships** across startups, driving optimization through stakeholder analysis.

Leadership / Extracurricular

GDG on Campus, NIAMT

Aug 24 – Jun 25

- Led **cross-college collaboration** with 6 GDSCs achieving Tier-2 status in inaugural year while managing social media strategy and PR initiatives.

Innovation and Entrepreneurship Development Cell, NIAMT

Aug 23 – Present

- Coordinated and hosted successful events with **500+ attendees**, managing logistics and speaker coordination to enhance participant experience.