Nikhil Kumar Singh

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PROFESSIONAL SUMMARY

Results-driven Data Analyst with hands-on experience in data analytics, machine learning, and business intelligence. Proficient in Python, SQL, Power BI, and statistical analysis with proven ability to extract actionable insights from large datasets. Demonstrated expertise in ETL processes, data visualization, predictive modeling, and building interactive dashboards. Strong foundation in data structures, algorithms, and Machine learning with experience processing multilingual datasets and developing end-to-end analytical workflows.

EDUCATION

Galgotias University — Uttar Pradesh, India
*Bachelor of Technology in Computer Science with AI & ML | **Top 5% of Batch*** — *2021 – 2025*
- Relevant Coursework: Data Science, Machine Learning, Statistical Analysis, Data Structures & Algorithms

EXPERIENCE

AI & Data Analytics Intern — Aug 2025 – Oct 2025
Infosys Springboard — *Remote*
- Processed and analyzed multilingual speech datasets (Hindi, Tamil, Telugu etc) to ensure data accuracy and consistency.
- Performed data cleaning, transformation, and EDA using Python for actionable insights for model optimization.
- Created comprehensive data visualizations using Matplotlib and Seaborn to identify patterns.
- Collaborated with cross-functional teams to develop and validate translation models, strengthening end-to-end analytical workflow .

PROJECTS

Gurugram City Real Estate Price Analysis & Insights ⌕ | Live Dashboard 🔗 | *Python, Pandas, SQL, Streamlit, Scikit-learn*
- Collected and analyzed 4,000+ property listings from 99acres.com using web scraping, performing data cleaning, transformation, and feature engineering to derive actionable real estate insights.
- Conducted comprehensive exploratory data analysis (EDA) identifying key price-driving factors including location, size, amenities, and market trends using statistical methods and correlation analysis.
- Built interactive Streamlit dashboards with 15+ visualizations to enable property comparison, market trend analysis, and data-driven investment recommendations for stakeholders.
- Applied predictive modeling using regression algorithms achieving high accuracy ($R^2 \approx 0.90$) for property price forecasting based on multiple features and historical data patterns.

OLA Performance Analytics ⌕ | *SQL, Power BI, DAX, Data Analysis, ETL*
- Designed and executed end-to-end analysis of 90,000+ Ola ride records with 19+ attributes using advanced SQL queries for data extraction, aggregation, and preparation.
- Built 10+ interactive Power BI dashboards with dynamic filters covering ride volume trends, booking status distribution, and payment method analysis enabling real-time business insights.
- Delivered comprehensive insights highlighting top customer segments, cancellation hotspots, and revenue distribution patterns by payment method..
- Implemented DAX measures and calculated columns for advanced KPI tracking including customer retention rate, average ride duration, and peak hour analysis.

Sales Insight Dashboard ⌕ | *Excel, SQL, Power BI, DAX, PostgreSQL, Python, ETL*
- Developed interactive Power BI dashboard for sales analysis processing 100,000+ transactions ensuring data accuracy through comprehensive ETL pipeline and data cleaning procedures.
- Resolved duplicate transactions and currency inconsistencies improving data reliability for better decision-making and accurate reporting across multiple business units.
- Executed key performance indicators (KPIs) including total revenue, sales quantity, revenue by customer, and growth metrics providing actionable business insights for stakeholders.

SKILLS

Technical: Python, C++, SQL, DAX, Machine Learning, Data Structures & Algorithms, Web Scraping
Data Analysis Tools: Excel (Advanced), Power BI, PostgreSQL, SQL Workbench, MySQL
Python Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Streamlit
Data Methodologies: ETL, EDA, Data Cleaning, Data Transformation, Statistical Analysis, Predictive Modeling, Data Visualization, Dashboard Development, SQL Query Optimization, Large Dataset Extraction
Version Control: Git, GitHub

CERTIFICATIONS

Google Data Analytics Certificate 🔗 | *Coursera*
Machine Learning for All 🔗 | *University of London*
Generative AI in Data Analytics. 🔗 | *Meta*

Data Visualization using Microsoft Excel 🔗 | *Coursera*
Mastering DSA using C and C++ 🔗 | *Udemy*