Nikhil Kumar Singh

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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.
- Implemented 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.
- Implemented 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*   **Data Visualization using Microsoft Excel** 🔗 | *Coursera*
Machine Learning for All 🔗 | *University of London*   **Mastering DSA using C and C++** 🔗 | *Udemy*
Generative AI in Data Analytics. 🔗 | *Meta*

ACHIEVEMENTS

- **Solved 150+ SQL problems on LeetCode**, enhancing data analysis, query optimization, and problem-solving skills.

- **Chess Player**: Rapid Rating 1600+ demonstrating strategic thinking and analytical abilities.