Nilansh Agarwal

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PROFILE

Detail-oriented Data Engineer-Scientist and Analyst with experience in real-world machine learning projects, Data Engineering software and interactive dashboards. Skilled in Python, Excel, Synapse, SQL, and Power BI, with expertise in data preprocessing, modeling, and web deployment.

EDUCATION

Ajay Kumar Garg Engineering College   **Ghaziabad**, *India*

Bachelor of Engineering in Computer Science Engineering (AI/ML)   *10 ⁄ 2023* - Present

- Aggregate CGPA 8.0
- Relevant Coursework: Data Science, Machine Learning, Predictive Modeling, Statistical Analysis, etc.

TECHNICAL SKILLS

Languages & Libraries : Python, SQL, DAX, Pandas, C++

Tools and Frameworks : Power BI, Flask, Jupyter Notebook, Git, Azure, GCP, Looker, HTML, CSS, JS, Synapse

Concepts : Data Cleaning, Feature Engineering, Machine Learning, Predictive Modeling, Data Visualization

CERTIFICATIONS

- Data Science Job Simulation - BCG 2025 *(link)*
- *Data Visualization for Business - TATA Group (link)*
- Data Analytics & Visualization Job Simulation - Accenture *(link)*

PROJECTS

Bengaluru House Price Estimator |Web Development, Regression Model, Data Cleaning, Feature Engineering.

- Collected and cleaned real estate data to analyze Bengaluru housing prices.
- Built and fine-tuned a Linear Regression model with strong accuracy for price prediction.
- Deployed the model with a Flask backend and responsive front-end web interface.

Customer Churn Analysis | Statistical Modeling, Classification Algorithms, Data-driven Insights.

- Processed and analyzed customer data to predict churn using Python ML models.
- Created dynamic dashboards in Power BI to uncover churn patterns and drivers.

Boston Consulting Group Data Science Job Simulation|End-to-End Data Analysis, Predictive Analytics.

- Completed end-to-end data analysis and built a Random Forest model with 85% accuracy
- Delivered actionable business insights through Python-based visualizations.

EXTRACURRICULAR ACTIVITIES

- Team Leader - Kanpur Netball Team
- Member – IDEA LAB (Event Management & Group Discussions)
- Enthusiast – Badminton, Swimming, Trekking