MAHI NIGAM
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PROFESSIONAL SUMMARY

Aspiring Data Scientist skilled in Python, SQL, and R with hands-on experience in Machine Learning, NLP, and predictive modeling. Proficient in data preprocessing, statistical analysis, and visualization using Tableau and Power BI to deliver actionable insights.

EDUCATION

Galgotias University   Greater Noida, India
B.Tech in **Computer Science & Engineering**   (2023 – 2027)

TECHNICAL SKILLS

- **Programming and Databases:** Python, R, Git, GitHub, MySQL, PostgreSQL, MongoDB
- **Libraries:** Pandas, NumPy, Matplotlib, Seaborn
- **Machine Learning:** Scikit-learn, TensorFlow, PyTorch, Random Forest, Regression, Classification, Forecasting, Model Evaluation (ROC-AUC, Cross-Validation), NLP (NLTK, Word2Vec, TF-IDF)
- **Statistics:** Hypothesis Testing, A/B Testing, Experimental Design
- **Visualization/BI:** Tableau, Power BI, Excel
- **Big Data & ETL:** Apache Spark, Hadoop, ETL Pipelines
- **Cloud & Tools:** AWS (EMR, S3, EC2 basics), Docker, Jupyter Notebook
- **Core Strengths:** Data Cleaning, Feature Engineering, Dashboarding

PROJECTS

Customer Purchase Pattern Analysis | *Python, SQL, Power BI*

- Developed an ETL pipeline for over 1000 customer records and built regression models (Linear & Ridge) to identify key spend drivers, achieving an R^2 of 0.82.
- Delivered actionable insights through interactive Power BI dashboards and concise executive reports summarizing top trends.

Fraud Detection & Transaction Risk Scoring System | *Python, SQL, Tableau*

- Engineered robust features (transaction frequency, device ID) for a system analyzing 50,000+ transactions, achieving 93% precision and 90% recall.
- Reduced false positives by 18% and built Tableau dashboards to visualize anomalies and generate compliance-ready reports.

AutoNote – AI-Powered Note-Taking Assistant | *Python, NLP, Flask*

- Created AI-powered assistant that summarized meeting transcripts into structured notes, reducing manual note-taking effort by 70%.
- Implemented keyword extraction + abstractive summarization pipeline, deployed as a lightweight Flask web app.

CERTIFICATIONS

- **Introducing Generative AI with AWS** – Udacity **(July 2025)**
- **CS50's Introduction to Computer Science** – Harvard University **(Aug 2023)**
- **Python 101 for Data Science** – IBM Cognitive Class **(July 2023)**

ADDITIONAL SKILLS

· Analytical Thinking · Data Storytelling · Problem Solving · Team Collaboration · Attention to Detail