

MAHI NIGAM

✉ mahinigam.000@gmail.com

☎ +91-8789728390

🌐 Mahi Nigam

🐙 GitHub

EDUCATION

Galgotias University

B.Tech in Computer Science & Engineering

2023 – 2027

Greater Noida, India

EXPERIENCE

AI/ML Virtual Intern – AICTE & EduSkills (Google for Developers Program)

Jul 2025 – Sep 2025

Remote

- Implemented CNN models in TensorFlow for image classification and object detection tasks.
- Used Google Colab for model training, evaluation, and hyperparameter tuning.
- Structured project reports prepared covering model architecture, datasets, and performance metrics.

PROJECTS

Customer Purchase Pattern Analysis | Python, SQL, Power BI

- Developed an ETL pipeline for more than 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 an 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.

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

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