

SUMMARY

Passionate about Data Science and Artificial Intelligence, with a strong foundation in machine learning, NLP, and computer vision. Constantly upskilling in cloud computing and big data technologies to enhance analytical capabilities. Driven by curiosity, I thrive on uncovering insights from complex datasets and building AI-driven solutions that create real impact.

EDUCATION

- **Maharaja Agrasen Institute of Technology** New Delhi, India
B.Tech in Electronics and Communications Engineering (Specialization in AI & ML) Dec. 2021 – June 2025

EXPERIENCE

- **IBM SkillsBuild** Remote
Data Analyst Intern June 2024 – Aug 2024
 - **Data Analysis:** Analyzed large datasets to identify trends, patterns, and insights using Python, SQL, and Excel, leading to a 15% improvement in data accuracy and reporting efficiency.
 - **Data Collection:** Utilized global datasets on women workers in corporate environments to derive actionable insights and recommendations.
 - **Research Project:** Led a project investigating women's access to education and finance, identifying that 25% of participants faced significant barriers. Developed structured solutions to enhance participation and improve overall conditions.
- **Optiontown** New Delhi
Data Analyst – Finance Team Jan 2025 – Feb 2025
 - **Financial Data Management:** Worked with airline pass booking data, tracking weekly and long-term revenue trends to identify the highest income sources.
 - **SQL for Data Processing:** Utilized SQL for data cleaning, query optimization, and financial record management to streamline reporting processes.
 - **Visualization & Insights:** Employed Excel to create financial dashboards and visualizations, supporting strategic decision-making in revenue optimization.

PROJECTS

- **AttriSense – AI-Powered Employee Attrition Prediction:**
 - **Machine Learning Model:** Developed an ML model using LGBM Regression and XGBoost, achieving ****92.14%**** cross-validation accuracy and ****88.44%**** ROC AUC Score on IBM HR Analytics data.
 - **Data Preprocessing:** Implemented data preprocessing with SQL, Pandas, and scikit-learn, analyzing 30+ features to extract key retention insights.
 - **Dashboard Visualization:** Built an Excel-based dashboard for attrition trend visualization, enabling HR teams to optimize workforce strategies.
- **Data Deep Dive – Google Analytics Insights:**
 - **Exploratory Data Analysis:** Performed exploratory data analysis on Google Analytics data, uncovering key metrics to improve user engagement and retention.
 - **Data Visualization:** Utilized Python, SQL, and Matplotlib to visualize web traffic patterns, increasing data-driven decision-making efficiency by ****20%****.
 - **Time-Series Forecasting:** Applied time-series forecasting models to predict future user behavior, aiding in proactive marketing strategies.

PROGRAMMING SKILLS

- **Languages:** Python, SQL, C++
- **Technologies:** Excel, Tableau, Power BI, AWS (S3, QuickSight)
- **Libraries/Tools:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn