Mukesh Kumar Nehra

Data Engineer

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Professional Summary

Aspiring Data Engineer with a solid foundation in data management, Python programming, and SQL. Proficient in handling structured data, working with databases, and performing data cleaning and transformation tasks. Experienced with analytical tools, and pursuing MCA in Computer Science and Technology with a strong focus on data engineering principles and big data technologies.

Experience

Data Scientist Trainee: | AU Ignite Academy
April 2025-Present | Jaipur India

- Acquired hands-on experience with data preprocessing, statistical modeling, and machine learning techniques relevant to financial services.
- Worked with cross-functional teams to analyze customer behavior, credit risk, and transaction patterns using tools such as Python, SQL, Excel, and Power BI.

Education

- **MCA in Computer Science —** University of Rajasthan (Pursuing)
  Relevant Coursework: Data Structures, Database Management Systems (DBMS), Machine Learning, Cloud Computing, Web Technologies
- **BCA in Computer Science —** University of Rajasthan
  Subjects: SQL, PhP,JAVA,C,Python

Technical Skills

- **Programming:** Python, SQL
- **Data Engineering:** Data Cleaning, ETL Processes, Relational Databases (PostgreSQL), Basic Big Data Concepts
- **Libraries & Tools:** Pandas, NumPy, Jupyter, Google Colab, Git, GitHub
- **Data Visualization:** Power BI, Tableau (basic), Matplotlib, Seaborn, MS Excel
- **Development Tools:** Visual Studio Code, Jupyter Notebook
- **Web Technologies (Basics):** HTML, CSS, JavaScript
- **Cloud & Deployment:** Basic understanding of Cloud Computing & Deployment concepts
- **Soft Skills:** Communication, Analytical Thinking, Problem Solving, Team Collaboration

Certifications

- DATA analysis — 30DC(30Ddayscoding)

Projects & Practical Work

- **Data Cleaning & Transformation Project:** Used Python and Pandas to clean and preprocess raw datasets for analysis.
- **Database Management System:** Created normalized schemas and performed SQL queries using PostgreSQL and PgAdmin4.
- **ETL Simulation:** Simulated an ETL pipeline using Python to extract, clean, and load data into a mock database.