

Diya Shah

Data Analyst

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SUMMARY

Data Analyst with hands-on experience in extracting insights from complex datasets, creating interactive dashboards using Power BI, and performing data analysis with SQL and Python. Skilled in data cleaning, transformation, and visualisation, with a strong focus on translating business requirements into actionable insights. Adapt to working with stakeholders, ensuring data accuracy, and delivering high-quality solutions: strong critical thinking, problem-solving, and communication skills.

WORK EXPERIENCE

Data Science Intern

Dec '24 — Apr '25

Tech Elecon pvt. ltd.

- Developed an AI-powered HRMS chatbot to automate employee queries on leave management, payroll, and policies, improving response time by 60%.
- Integrated NLP and Machine Learning for intelligent query handling, enabling real-time responses and reducing manual HR workload by 40%.
- Tech used: Python, NLP, Machine Learning, MySQL

Data Science and Machine Learning Intern

May '24 — Jun '24

BrainyBeam InfoTech

- Developed an intelligent Car recommendation system using Python and machine learning models.
- Applied statistical techniques (Regression, Clustering) for data analysis and model building. Conducted data processing, cleaning, and visualisation using Power BI, Tableau, and Python.
- Tech Used: Pandas, NumPy, Matplotlib, and Seaborn for data analysis and visualization

PROJECTS

Stock Price Prediction

- Built a stock price prediction system using LSTM, applying data processing, model building, and validation.
- Implemented data cleaning, transformation, and data integration through dataflows.
- Applied ML techniques to generate forecasts with a Power BI dashboard to visualise real-time trends and model functionality.

Sales Analysis Dashboard

- Developed a Power BI sales analysis dashboard featuring data cleaning, transformation (Power Query, Python Pandas), and integration from multiple sources.
- Applied data storytelling to visualize KPIs, trends, and customer insights for actionable business decisions.

Financial Analysis Dashboard

- Designed and developed an interactive **Financial Analysis Dashboard** for real-time insights into organizational financial performance.
- Highlighted key financial metrics and trends to support strategic planning and risk assessment.
- Improved financial resource optimization by identifying cost drivers and revenue opportunities.

SKILLS

Programming Languages Python, Java, SQL, HTML, JavaScript, CSS, C++

Tools PowerBi, Microsoft Excel, Jupyter Notebook, Google Collab, VS code, PyCharm, Github

Soft Skills Communication, Presentation, Leadership, Management, Problem Solving

EDUCATION

B.TECH in Artificial Intelligence and Data Science, A. D. Patel Institute of Technology (GPA: 8.07)

Oct '21 — May '25

CERTIFICATIONS

Introduction to Machine Learning, Duke University

HR Analytics- Build an HR dashboard using Power BI