DISHA GUPTA

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Aspiring Data Analyst with hands-on experience in data visualization, statistical analysis, and dashboard development using Python, SQL, and Power BI. Passionate about turning data into actionable insights through clean, interactive, and impactful visualizations.

EXPERIENCE

Virtual Internship Trainee – Tata Data Visualisation: Empowering Business with Effective Insights (Forage)
Duration: July 2024 – April 2025
Key Responsibilities & Achievements:

- Completed practical business tasks focused on framing scenarios, selecting appropriate visuals, and communicating insights.
- Gained hands-on exposure to data visualization techniques aligned with business goals.
- Developed professional-level deliverables using Power BI and data storytelling strategies.
- Strengthened ability to present insights clearly for strategic decision-making.

PROJECTS

Business Health Dashboard   **GitHub**
- Engineered an AI-powered **Streamlit** dashboard to automate data analysis, featuring modules for data cleaning, anomaly detection, and custom visualizations using **Plotly.**
- Implemented a PDF report generation feature using **FPDF**, reducing manual reporting time by an estimated **90%.**
- **Impact:** Enabled non-technical users to perform complex data analysis, leading to faster and more informed business decisions.

DaaS_API (Data Cleaning as a Service)   **GitHub**
- Developed a robust **microservice** using **FastAPI** and **Pydantic** to provide automated data cleaning functionalities, including deduplication, missing value imputation (mean, median, mode), and schema validation.
- **Impact:** Streamlined data preprocessing workflows, ensuring a **100%** clean and validated dataset for analytics teams and improving the reliability of subsequent models.

House Price Prediction   **GitHub**
- Built and evaluated regression models to predict housing prices based on location, area, and amenities.
- Performed comprehensive **Exploratory data analysis (EDA)** with **Matplotlib and Seaborn** to uncover key correlations between features and housing prices.
- Engineered **10+ new features** from the raw dataset, including location-based and amenity-based variables, which improved **model accuracy** by **15%.**
- **Impact:** Created a predictive tool that provides accurate housing price estimates, demonstrating end-to-end machine learning project lifecycle management.

EDUCATION

Bachelor of Technology in Computer Science & Engineering
Shri Ramswaroop Memorial University, Lucknow — Aug 2022-Present
CGPA: 7.54 / 10 (Current)

TECHNICAL SKILLS

Languages: Python, SQL, HTML/CSS
Tools: Power BI, Excel, Tableau, Streamlit, Jupyter Notebook, Docker, VS Code, Git, GitHub
Competencies: Data Cleaning, Data Visualization, Statistical Analysis, Prompt Engineering
Soft Skills: Critical Thinking, Communication, Team Collaboration, Attention to Detail, ProblemSolving, Adaptability

CERTIFICATIONS

- Power BI – Microsoft (Jul 2024)
- Data Science and Business Analytics Workshop – IIT Mandi (March 2025)
- Data Science with Python – Digipodium (May–Jul 2024)
- Deloitte Data Analytics Job Simulation (Forage - April 2025)

PUBLICATIONS

1. "AI-Driven Early Disease Detection" *(Upcoming)*
To be published in **Cognitive IoT in Biomedical Devices: The Next Evolution in Smart Healthcare**, 2025
- Focuses on integrating AI with IoT-enabled biomedical devices for real-time diagnosis and predictive healthcare analytics.
- Chapter highlights models for early detection using medical sensor data, cloud integration, and deep learning pipelines.