

# Kahaan Darji

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## Education

<b>Gujarat University</b> , M.Sc.IT Business Intelligence and Analytics	August 2023 – Expected May 2025
<ul style="list-style-type: none"><li>SGPA: 9.42/10.00 (Semester-3)</li></ul>	
<b>Institute of Advanced Research</b> , B.Sc Biotechnology	June 2019 – May 2022
<ul style="list-style-type: none"><li>SGPA: 7.24/10.00</li></ul>	

## Experience

<b>Data Science Intern</b> , Oizom Instruments Pvt. Ltd.	January 2025 – Present
<ul style="list-style-type: none"><li>Built an AI-driven dashboard using Python, Streamlit, and Plotly to analyze and visualize real-time air quality data from IoT-based environmental sensors.</li><li>Automated preprocessing of <b>10+</b> pollutant parameters using Pandas and NumPy, reducing manual <b>processing time by 60%</b>.</li><li>Applied NLP and Large Language Models (LLMs) like Gemini API and NLTK to generate data-driven health insights and narrative reports.</li><li>Deployed the solution using Flask, enabling scalable web access for data analysis and environmental decision-making.</li></ul>	

## Projects

- IBM Data Science Project | *Data Science Project* | [Certificate](#)**
  - Developed machine learning models to predict the success of Falcon 9 first-stage landings.
  - Tools:** Python, Pandas, Scikit-learn, Matplotlib, Seaborn, SQL.
  - Results:** Achieved good prediction accuracy, contributing to cost estimation strategies for reusable launches.
- Google Advanced Data Analytics | *Data Analytics Project* | [Certificate](#)**
  - Utilized data analysis to predict employee turnover and identify key factors influencing it for Salifort Motors.
  - Tools:** Python, Pandas, Scikit-learn, NumPy, Matplotlib, Seaborn, Excel.
  - Results:** Achieved good accuracy in predicting turnover and recommended strategies to HR for improving retention.
- Cifar100 Image Classification | *Deep Learning Project***
  - Built and trained CNN models to classify images into 100 categories.
  - Tools Used:** TensorFlow, PyTorch, NumPy, Pandas, Matplotlib.
  - Results:** Achieved **98% accuracy** through hyperparameter tuning and data augmentation.
- Lok Sabha Elections 2024 Analytics | *Power BI Project***
  - Collected and curated data from multiple sources to develop a Power BI dashboard analyzing election trends, including leading parties and state-wise leadership and delivered actionable insights.
  - Tools Used:** Power BI, Election Commission Data, Microsoft Excel.
  - Results:** Delivered actionable insights and interactive visualizations used for strategic discussions by stakeholders.
- Ahmedabad Police Staff Attendance Dashboard | *Power BI Project***
  - Developed a comprehensive Power BI dashboard to monitor attendance trends for over 87 police personnel across 10 stations in East Ahmedabad under the guidance of IPS Safin Hasan.
  - Tools Used:** Power BI, Microsoft Excel.
  - Results:** Identified key patterns, such as late arrivals and shift compliance trends. Provided actionable insights that can be utilized for strategic decision-making by senior police officials.

## Skills

- Programming Languages & Databases:** Python, SQL, NoSQL
- Data Analysis & Visualization:** Microsoft Excel, Tableau, Power BI, Big Data (Hadoop)
- Libraries:** NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib, SciPy, Plotly, TensorFlow, Keras, PyTorch, Beautiful Soup, Selenium, OpenCV
- Machine Learning Techniques:** LLM, CNN, RAG, Supervised, Unsupervised
- Cloud:** AWS, Google Cloud
- Other:** Git, ETL Tools, Prompt Engineering, Data Mining, EDA, Content Strategy, SEO
- Soft Skills:** Willingness to Learn, Effective Communication, Research & Problem Solving, Team Collaboration, Leadership & Initiative