

Mahimna Darji

☎ 930-333-4112 ✉ darjimahimnads@gmail.com  [Mahimna Darji](#)  [Mahimna Darji](#)

SUMMARY

Detail-oriented data professional with hands-on experience in machine learning, data analysis, and predictive modeling. Worked on real-time AQI forecasting, crime trend prediction, and supply chain analytics, combining technical tools with a practical understanding of real-world impact. Comfortable working across structured and unstructured data, building dashboards, and delivering insights that support both product decisions and business goals.

PROFESSIONAL EXPERIENCE

Project 990 Inc.

January 2025 – Present

Data Scientist

Bloomington, Indiana, USA

- Extract financial grant data from multiple source systems and build pipelines to clean, standardize, and structure records from 53 nonprofit organizations, covering records from 2013 to 2021. This helps ensure consistency and allows for clear time-series and geospatial analysis.
- Create interactive Tableau dashboards that highlight donation trends and regional funding disparities, allowing stakeholders to monitor financial patterns influenced by socioeconomic factors and make informed decisions.

ManekTech

May 2024 – August 2024

Machine Learning Intern

Ahmedabad, Gujarat, India

- Developed a model to forecast AQI using historical air quality, weather patterns, and pollutant data. Conducted in-depth analysis across multiple datasets and compared four machine learning models, improving accuracy by 7.6% through tuning and optimization.
- Deployed the final model into a real-time monitoring setup, allowing continuous AQI tracking and early alerts for hazardous pollution levels in urban areas.

Start Tech Academy

July 2022 – September 2022

Data Science and Business Analytics Intern

Ahmedabad, Gujarat, India

- Developed an image classification model using convolutional neural networks to label visual inputs and applied natural language processing to extract insights from associated text, improving data analysis capabilities
- Managed the project pipeline from dataset preparation to model training and result interpretation for image and text data, ensuring efficient workflow and successful project completion.

PROJECT EXPERIENCE

Supply Chain Optimization Platform

May 2025 - June 2025

- Designed a supply chain analytics platform with predictive modeling for shipment delays, inventory forecasting, and vendor scoring. Built scalable ML pipelines using Python and Spark to simulate logistics across a U.S. distribution network.
- Created custom metrics like Efficiency Index and Inventory Stability Score; visualized cost anomalies, SKU shortages, and delivery patterns using Tableau dashboards and integrated backend workflows on AWS.

LAPD Crime Prediction

August 2024 - December 2024

- Developed scalable predictive models on 900K+ LAPD crime records using stratified sampling, time-series modeling, and spatial clustering techniques in PyTorch and Spark. Conducted geospatial and temporal analysis to extract actionable insights.
- Visualized risk zones, victim demographics, and crime trends across weeks and months using heatmaps and clustering dashboards, aiding strategic planning for law enforcement and policymakers.

Book Recommendation System

January 2023 - April 2023

- Built a book recommendation system using content-based filtering to suggest books based on genre, author, and user activity. Developed the interface using Python and Flask, with user-friendly navigation and organized genre-wise browsing for easier discovery.
- Added secure user login/signup features and tracked user activity to continuously refine recommendations, making book discovery more relevant and engaging for each user.

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, JavaScript, C, C++

Database & Cloud Platforms: MySQL, PostgreSQL, MongoDB, SQLite, NoSQL, AWS, Azure SQL

Data Engineering & Big Data Tools: Apache Hadoop, Hive, Docker, Git, PyTorch, Pandas, FastAPI, React.Js

Data Visualization: Tableau, Power BI, Streamlit, Plotly, Matplotlib, Seaborn, Gephi, Excel

Machine Learning & AI: TensorFlow, Neural Networks, LLMs, NLP, CNN

EDUCATION

Indiana University, Bloomington

Master of Science in Data Science; CGPA: 3.73

Aug 2023 – May 2025

Bloomington, Indiana, USA

Indus University

Bachelor of Technology in Computer Science; CGPA: 3.93

July 2019 – April 2023

Ahmedabad, Gujarat, India