

Mahimna Darji

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EDUCATION

Indian Institute of Technology Delhi	(Online)
Post Graduate Certification in FinTech	Sep 2025 – Present
• Courses: Finance, Blockchain, Cryptography, WealthTech, Big Data, Regulatory Technology, Digital Payments	
Indiana University	Bloomington, Indiana, USA
Master of Science in Data Science: GPA: 3.73/4	Aug 2023 – May 2025
• Courses: Applied Machine Learning, Data Mining, Data Visualization, Computer Vision, Advanced Database Concepts, Usable Artificial Intelligence, Statistics, Social Media Mining, Software Engineering	
Indus University	Ahmedabad, Gujarat, India
Bachelor of Technology in Computer Science: GPA: 3.93/4	Jul 2019 – Apr 2023
• Courses: Database Management System, Machine Learning, Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, Soft Computing, Cloud Computing	

SKILLS SUMMARY

Programming & Frameworks	: Python, R, Java, JavaScript, Scala, C, C++, React.js, Node.js
Database & Cloud Platforms	: AWS, MySQL, PostgreSQL, Oracle PL/SQL, Azure SQL, MongoDB
Data Engineering & ETL	: PySpark, Apache Spark, Hadoop, IBM DataStage, Docker, Kubernetes, Alteryx
Data Visualization	: Tableau, Power BI, Streamlit, Plotly, Matplotlib, Seaborn, Gephi, Excel, PowerPoint
Machine Learning & AI	: TensorFlow, Neural Networks, LLMs, NLP, CNN, RAG, FAISS, Hugging Face, Information Retrieval

EXPERIENCE

Data Scientist	Jan 2025 – Present
Project 990 Inc.	Lewis Center, Ohio, USA
• Build ETL pipelines to collect, clean, and standardize financial grant data from 7 sources across 53 nonprofit organizations spanning 2013 to 2021, reducing processing time by 40% and enabling structured analysis and data warehousing using PySpark, SQL, and Python.	
• Transform over 130,000 records for time-series and geospatial analysis , applying data modeling techniques to identify grant distribution patterns and funding trends across regions and provide inputs for forecasting and resource allocation.	
• Create Tableau dashboards to highlight donation trends and funding disparities. Collaborate with executive leadership to define KPIs , while documenting the data pipeline, regression testing logic, and version control through Git to ensure reproducibility.	
Machine Learning Intern	May 2024 – Aug 2024
ManekTech	Ahmedabad, Gujarat, India
• Engineered a Python based backend for AQI forecasting with automated data ingestion from REST APIs and built an interactive React.js interface for monitoring air quality trends .	
• Optimized preprocessing logic across 4 supervised learning models , including regression and decision trees, to improve reliability. Increased model accuracy by 7.6% through hyperparameter tuning and feature selection.	
• Enabled early alerts for hazardous conditions through data modeling techniques and deployed the trained model into a production pipeline with custom monitoring scripts using Docker.	
Data Science and Business Analytics Intern	Jul 2022 – Sep 2022
Start Tech Academy	Ahmedabad, Gujarat, India
• Implemented an image classification model using Convolutional Neural Networks and applied Natural Language Processing techniques to analyze 2,000 image-text pairs from educational materials. Enabled multimodal analysis and improved prediction accuracy by 11% through model optimization using TensorFlow frameworks and Transformers for text classification tasks.	
• Built backend-to-frontend data pipelines to track model performance and deliver insights. Deployed Power BI dashboards with interactive visualizations and user-friendly views to support stakeholder decision-making.	

PROJECTS

Insightify - RAG Based AI Knowledge Assistant	Jun 2025 – Aug 2025
• Built an AI knowledge assistant to convert unstructured enterprise documents into searchable insights with a full RAG pipeline . Processed 10,000+ PDFs, TXT, and emails into JSONL , applied smart chunking with LangChain, and generated embeddings with Sentence Transformers.	
• Developed a FAISS vector index with metadata for fast semantic search and advanced information retrieval. Integrated Hugging Face T5 models for context-aware answers, delivering 20% faster, more accurate queries on enterprise data .	
Supply Chain Optimization Platform	May 2025 – Jun 2025
• Designed an interactive supply chain analytics platform using Python and simulated logistics across 50,000 shipment records from a US-based warehouse network. Built demand forecasts using Prophet, performed delay detection using Z-score trends and shipment heatmaps using Folium.	
• Developed Stability Score and Efficiency Index for risky SKUs. Built Tableau dashboards and Excel pivot tables for accessible scenario analysis. Improved on-time delivery predictions by 15% using forecasting and anomaly detection in a large software system.	
Social Network Platform	Jan 2025 – Apr 2025
• Developed a full-stack social networking platform using React.js, Node.js, and MongoDB with secure authentication, content sharing and real-time chat. Improved system stability and API response time by 22% through optimized backend logic and modular design.	
• Containerized backend and frontend with Docker and deployed on Vercel for reliable, scalable performance. Integrated WebSockets for live messaging and marketplace features, enabling interactions and efficient data synchronization across users.	