

# Drashti Miteshkumar Mehta

Denton, TX, 76201 | 940-843-9280 | [mdrashti143@gmail.com](mailto:mdrashti143@gmail.com) | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

## CAREER SUMMARY

Detail-oriented and analytics-driven Data Scientist with a Master's in Data Science and strong expertise in pricing analytics, forecasting, and business intelligence. Proficient in Python, SQL, R, Tableau, and ML libraries including Scikit-learn and TensorFlow. Proven experience in developing regression models, forecasting pipelines, and dashboarding solutions that inform strategic pricing and promotional decisions.

## EDUCATION

University of North Texas | Denton, TX

May 2025

**Master of Science - Data Science**

Gujarat Technological University | Gujarat, India

May 2022

**Bachelor of Engineering - Information Technology**

## SKILLS

Technical Skills:

1. Languages & Tools: Python, SQL, R, Java, Tableau, Power BI (learning), Excel, Git, Jupyter, VS Code
2. Logistics & Supply Chain Analytics: Data tracking, Root Cause Analysis
3. Libraries/Frameworks: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Flask
4. Data Science: Exploratory Data Analysis, Sentiment Analysis, Classification, Forecasting, LLM Pipelines
5. BI & Analytics: Data Modeling, Dashboarding, Data Warehousing, Statistical Modeling
6. Cloud & Platforms: AWS (basic), MIMIC-III, RapidMiner, Gradio, Hugging Face

Core Competencies: Highly organized, detail-oriented with Critical Thinking, Entrepreneurship, Team Management, Communication (Written and Verbal), Administrative Competence, Time Management, Analytical Proficiency, Root Cause Analysis, Data Integrity Checks, Statistical Modelling

## PROJECT

- Med-Eval: G-Eval for Clinical Summarization - Built GPT-based pipeline (Mistral-7B, LLaMA-2) to evaluate discharge summaries using Chain-of-Thought prompting and G-Eval. Engineered and deployed a modular pipeline leveraging structured data modeling and real-time LLM evaluations benchmarked against traditional metrics (ROUGE, BLEU).
- IMDb Movie Review Sentiment Analyzer - Built a classifier using logistic regression and TF-IDF to analyze sentiment; achieved 85% accuracy.
- Predictive Analysis of Financial Market Trends - Designed feature-rich stock prediction models using time-series data, developed dashboards to monitor real-time KPIs, and simulated model performance at scale.
- Dynamic Pricing Strategy - Modelled pricing optimization using retail data; identified key factors driving revenue changes.
- Lifestyle Determinants of Obesity - Leveraged behavioral data analytics and interactive dashboards to uncover key patterns in user behavior insights directly applicable to content consumption analysis and user engagement modeling in media platforms.

## INTERNSHIP EXPERIENCE

University of North Texas, Volunteer Research Assistant

August - December 2024

- Collaborated with Dr. Mohammed Aledhari's lab to evaluate the RAFT (Retrieval-Augmented Finetuning) method for domain-specific adaptation of large language models (LLMs).
- Analyzed and replicated RAFT's open-source implementation from Berkeley AI Research to assess its effectiveness against traditional finetuning and RAG techniques.
- Set up model environments, performed code reviews, and assisted in dataset preparation and tuning strategies for clinical summarization tasks.
- Presented technical findings in weekly meetings and contributed to improving research documentation and experiment tracking protocols.

Corizo, Data Science Intern | India

March - April 2022

- Built and deployed machine learning models (e.g., Logistic Regression, Random Forest) across five active business projects involving classification and forecasting.
- Applied statistical analysis and feature engineering techniques to improve model accuracy and reliability by ~15%.
- Created repeatable modeling pipelines in Python for classification and prediction tasks.
- Worked with stakeholders to translate business problems into data-driven solutions with measurable outcomes.

Dots & Coms, ASP.Net Developer Intern | Vadodara, India

January - April 2022

- Developed 30+ dynamic web pages using ASP.NET, C#, HTML, CSS, and SQL Server, including login, registration, and admin interfaces.
- Used the MVC framework to separate business logic from UI and ensure modular, scalable code.
- Participated in code reviews and bug-fixing sessions to ensure smooth user experiences and deployment readiness.

Volansys Technologies, Full Stack Developer Intern | Ahmedabad, India

August - December 2021

- Aided Technical Leads and other Associate Engineers in ongoing projects based on Python and Flask.
- Developed cloud-native data pipelines (ETL) using Python and improved query speed by optimizing SQL data models for large-scale business datasets.
- Utilized AWS services for managing data storage and processing, ensuring smooth data flow through ETL pipelines.
- Analyzed code to find bugs and fix errors, simultaneously creating small components of projects.
- Designed 10 mini projects, such as a food ordering app, while gaining knowledge of JavaScript and ReactJS.

Brainy Beams Pvt Ltd., Data Science Intern | India

May - June 2021

- Designed and trained a weather forecasting model using regression techniques and developed a music recommendation system via sentiment analysis.
- Built robust ETL workflows to clean and transfer raw data from source files to SQL databases, enabling faster querying and reporting.
- Partnered with another intern to prototype a collaborative Book Recommendation System, leveraging collaborative filtering and text analysis.
- Used Jupyter Notebook, Python (Pandas, Scikit-learn), and SQL for end-to-end model development and evaluation.

## CERTIFICATIONS / WORKSHOPS

- Tableau Desktop Professional - Unilytics
- Data Analytics with Python - BIT Technologies
- Data Analytics Corporate Training and Microsoft Excel Complete Mastery - Jobaaj Learnings
- Python, Web Development, Data Analytics, and Artificial Intelligence Workshops - MyCaptain
- Accenture North America Data Analytics and Visualization Job Simulation on Forage