

# Drashti Miteshkumar Mehta

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## CAREER SUMMARY

Passionate and solution-oriented graduate student with a strong foundation in computer science, data analysis, and software development. Skilled in leveraging tools like Python, SQL, JavaScript, and modern frameworks to develop efficient, scalable, and impactful solutions. Experienced in cross-functional collaboration, problem-solving, and building data-driven applications through internships and academic projects. Eager to contribute to innovative teams by combining technical knowledge with strong communication and analytical abilities.

## EDUCATION

University of North Texas | Denton, TX

Expected: May 2025

**Master of Science – Data Science**

**3.7 GPA**

**Project Work:** IMDb Movie Review Sentiment Analyzer, Predictive Analysis (Financial Market Trends), Dynamic Pricing Strategy, Lifestyle Determinants of Obesity: A Detailed Analysis Using Synthetic Data

Gujarat Technological University | Gujarat, India

May 2022

**Bachelor of Engineering – Information Technology**

**3.5 GPA**

## SKILLS

Technical Skills:

- 1) Programming Languages: Python (Exploratory Data Analysis, Data Mining, Machine Learning), R, Java, HTML, CSS, JavaScript, React
- 2) Libraries & Frameworks: NumPy, Pandas, Scikit-learn, BeautifulSoup, Matplotlib, Seaborn, Bootstrap, Flask
- 3) Data Analytics, Machine Learning (Supervised and Unsupervised Algorithms) & Statistical Algorithms, LLM models
- 4) Data Management & Business Intelligence: Data Modeling, Data Warehousing, MySQL, Microsoft SQL Server, Tableau, AWS(Beginner)
- 5) Software & Tools: Anaconda (Jupyter Notebook), Google Colab, Visual Studio, Visual Studio Code, Microsoft Office Suite (Beginner), GIT, RapidMiner

Core Competencies: Highly organized, detail-oriented with Critical Thinking, Entrepreneurship, Team Management, Communication (Written and Verbal), Administrative Competence, Time Management, Analytical Proficiency.

## CAPSTONE PROJECT

**MedEval: G-Eval for Clinical Summarization**

- Developed a GPT-based evaluation pipeline for discharge summaries using Chain-of-Thought prompting techniques.
- Benchmarked traditional metrics (ROUGE, BLEU) versus GPT scoring methods for clinical text evaluation.
- Automated ETL processing for clinical notes across multiple datasets.

## INTERNSHIP EXPERIENCE

**University of North Texas, Volunteer Research Assistant**

Aug 2023 to Jan 2024

- Designed and evaluated RAFT-tuned LLM models for clinical summarization using Mistral-7B and LLaMA-2.
- Built data pipelines for fine-tuning large datasets, ensuring data quality, and generating insights.
- Collaborated with faculty and graduate researchers to optimize model evaluation workflows.

**Corizo, Data Science Intern | India**

March – April 2022

- Aided Technical Leads in pre-processing of the data.
- Created and compiled over 20 models into 5 live projects.
- Technologies Used – Python, Exploratory Data Analysis, Machine Learning, SQL, Excel, Natural Language Processing

**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.
- Designed and implemented data pipelines to automate the extraction, transformation, and loading (ETL) of data from various sources to AWS for further analysis.
- 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

- Built 2 projects, a Weather Prediction using Regression Model and a Music Recommendation System using Sentiment Analysis.
- Involved in **building and optimizing ETL pipelines** for data collection and transformation from raw data sources to SQL databases.
- Collaborated with co-intern in making Book Recommendation System.
- Technologies Used – Python, Exploratory Data Analysis, Machine Learning, Natural Language Processing.

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

January – April 2022

- Designed Simple Registration Forms, Login and Admin pages, while gaining knowledge of C#, MVC (Model View and Controller), .NET framework.
- Worked on Live Project. Created 30 pages of the whole project.
- Technologies Used – C#, MVC, HTML, CSS, SQL
- Software Used – Visual Studio (Coding), Microsoft SQL Server Management Studio 18(database)

## 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