

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. I am 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, Beautiful Soup, 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

August – December 2025

- 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

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)

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.

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