

DRASHTIMTESHKUMARMEHTA

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CAREER SUMMARY

Results-driven Data Science graduate with expertise in Python, SQL, Tableau, and Power BI, experienced in building predictive models, dashboards, and scalable data solutions. Skilled at bridging business and technology by translating complex requirements into actionable insights, leading cross-functional teams, and driving measurable business impact. Passionate about leveraging data, cloud platforms, and innovation to solve high-impact problems in fast-paced, global environments.

EDUCATION

University of North Texas | Denton, TX
Master of Science - Data Science

May 2025

Gujarat Technological University | Gujarat, India
Bachelor of Engineering – Information Technology

May 2022

SKILLS

- Programming & Tools: Python, SQL, R, Java, Tableau, Power BI, Excel, Git, Jupyter Notebook, VS Code
- Machine Learning & AI: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Flask, TensorFlow, AI Assistants/Agents, LLM Pipelines (Hugging Face, Gradio)
- Data Science & Analytics: Exploratory Data Analysis, Forecasting, Classification, Sentiment Analysis, Business Analysis, Dashboarding, Data Modeling, Statistical Modeling, Data Warehousing
- Cloud & Platforms: AWS (basic), RapidMiner, MIMIC-III
- Program Management & Business: Program Management, Customer Research, Customer Strategy, Business Consulting, Supply Chain Analytics, Root Cause Analysis, Process Improvement

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 - Modeled 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.

PROFESSIONAL EXPERIENCE

KGS Technology Group, Data Scientist | Alpharetta, GA (Remote)

Aug 2025 - Present

- Collected, cleaned, and analyzed data from multiple sources; performed exploratory data analysis (EDA) to uncover trends, patterns, and anomalies.
- Built and evaluated predictive ML models with feature engineering; optimized performance using accuracy, precision, recall, and AUC metrics.
- Designed insightful dashboards and visualizations (Python, Tableau, Power BI) to translate complex business challenges into actionable, data-driven solutions in collaboration with cross-functional teams.

University of North Texas, Volunteer Research Assistant | Denton

Aug 2024 - 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.

Family Business, Business Coach | India

OCT 2021 - June 2023

- Designed KPI dashboards and forecasting models in Excel/Power BI to optimize distributor operations, identify sales trends, and support data-driven decision-making.
- Led cross-functional team of 50+, managing end-to-end programs, implementing performance frameworks, and improving retention by aligning strategy with measurable business outcomes. Delivered training and workshops for 500+ participants, driving adoption of new strategies, enhancing communication, and aligning customer strategy with organizational goals.

Corizo, Data Science Intern | India

March 2022 - April 2022

- Built and deployed ML models across multiple classification and forecasting projects, improving accuracy by ~15%.
- Developed repeatable pipelines in Python with feature engineering and collaborated with stakeholders to translate business needs into data-driven solutions.

Volansys Technologies, Full Stack Developer Intern | Ahmedabad, India

Aug 2021 - 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 2021 - 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.

BIT Infotech, Data Analyst | India

March 2020 - March 2021

- Applied Python-based analytics on multiple real-world datasets to deliver actionable insights.
- Performed data preprocessing, cleaning, prediction, and visualization using Pandas, NumPy, Scikit-learn, and Matplotlib.
- Built and evaluated machine learning and NLP models to solve business problems.
- Produced reports and visualizations by analyzing structured and unstructured data, improving stakeholder decision-making.

CERTIFICATIONS/ WORKSHOPS

- Tableau Desktop Professional - Unilytics
- 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
- Data Analytics with Python - BIT Technologies