Dhruvi Mehta

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Education

Northeastern University, Boston, MA — Sep. 2025 – Present
Master of Science in Information Systems — Expected Graduation: 2027
Relevant Coursework: Data Management & Database Design, Application Engineering Development — GPA: 3.26/4.0

Shah and Anchor Kutchhi Engineering College, Mumbai, India — Aug. 2021 – May. 2025
Bachelor of Engineering in Computers — GPA: 7.97/10.0
Relevant Coursework: Applied Data Science, Social Media Analytics, Database Management System, Big Data Analytics, Quantitative Analysis.

Skills

Technical: Python (pandas, NumPy, scikit-learn), SQL, R, Excel (Advanced Formulas, Pivot Tables)
Visualization: Power BI (DAX), Tableau, matplotlib, Seaborn
Analytics: Regression, Classification, Clustering, Time Series Forecasting, A/B Testing, Statistical Analysis
Databases: MySQL, PostgreSQL, ETL Pipelines, Data Warehousing
Tools: Git, Jupyter, JIRA, OpenAI API, LangChain

Work Experience

Coding Samurai *Mumbai, India* — Jul. 2024 – Aug. 2024
Data Analyst Intern

- Built Power BI dashboard analyzing 50K+ Airbnb listings; improved revenue forecasting accuracy by 15%
- Identified seasonal demand trends across 12 neighborhood clusters using EDA in Python
- Automated data cleaning workflows, reducing manual processing time by 60%

Onpoint Insights *Mumbai, India* — Jun. 2024 – Jul. 2024
Data Analyst Intern

- Designed Power BI dashboard tracking 15+ financial KPIs; cut reporting cycle from 3 days to 4 hours
- Conducted customer segmentation analysis via SQL, increasing conversion rates by 18%
- Automated weekly BI reports aggregating multi-source data for executive decision-making

Projects

Investment Research Automation Platform *SQL, Tableau, Python, APIs (Personal Project)*

- Built ETL pipeline processing 500+ stocks daily via financial APIs
- Implemented multi-factor stock scoring algorithm (value, growth, momentum) using scikit-learn
- Automated DCF valuation model with SEC filing parser; reduced analysis time by 87%

Predictive Healthcare Analytics System *PostgreSQL, Power BI, Excel (Personal Project)*

- Built readmission risk model (85% accuracy) analyzing 500K+ Medicare records
- Created Power BI dashboard tracking 15+ HEDIS quality measures for care gap identification

AI-Powered Document Q&A System *Python, OpenAI API, LangChain, Streamlit (Personal Project)*

- Developed RAG-based assistant enabling semantic search across 1000+ legal/financial documents
- Deployed Streamlit interface for natural language querying; reduced review time by 70%

Certifications

Google Data Analytics Professional Certificate, Coursera *(Dec. 2025)*
Data Analytics and Visualization job simulation, Forage-Accenture *(Aug. 2023)*