

Mohnish Mehta

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EDUCATION

Rutgers University

New-Brunswick, NJ

Bachelor of Science in Computer Science and Data Science, Minor in Quantitative Econ

Sep 2023 – May 2027

- GPA: 3.65 | Spring 2025 Dean's List
- Relevant Coursework: Data Structures, Computer Architecture, Data Literacy, Data Management, Machine Learning, Linear Algebra

EXPERIENCE

Accenture

Sep 2025 – Present

AI Fellow

New York City, NY

- Utilizing machine learning to predict pump failures and reduce downtime through preventative maintenance
- Applying **SMOTE** oversampling to balance pump failure data, improving recall for rare failures by **25%**
- Engineering **4 time-series** features with **rolling averages**, smoothing sensor noise to capture pump degradation
- Optimizing the **logistic regression** baseline with **Random Forest**, increasing true positive detections by **22%**

Reveal Global Consulting

Aug 2025 – Present

Data Science Analyst

Fulton, MD

- Processing HS-coded records on critical minerals using **Python** to highlight U.S. supply chain and security risks
- Applying **Pandas, NumPy, and Matplotlib** for EDA, uncovering trends in import volumes and regional trades
- Building an interactive **Tableau** dashboard with **10+** visualizations to track trade flows and reveal dependencies
- Co-authoring an 8–10 page white paper and presenting **Github** repository and insights to 40+ stakeholders

Break Through Tech

May 2025 – Present

AI/ML Fellow

Ithaca, NY

- Selected from **3,000+** applicants as an AI Fellow, receiving machine learning training from Cornell Tech faculty
- Employed **NumPy** and **Pandas** to clean, impute missing values, and manipulate large datasets for analysis
- Developed a sentiment analysis classifier on Amazon book reviews using **TF-IDF**, achieving an AUC of **0.87**
- Used **NLP** with a trained **Word2Vec model** to generate embeddings for spam classification, improving features

LEADERSHIP EXPERIENCE

Student Equity, Excellence and Diversity in Data Science (SEED2S)

Jan. 2025 – Present

Mentor

New Brunswick, NJ

- Mentoring 15+ students in navigating and excelling the **Data Science** major and minor at Rutgers University
- Strengthening the DS community by organizing professional development events, including peer networking mixers

PROJECTS

Market-Sentiment | *Python, FastAPI, PostgreSQL, Pandas, React, Docker, Numpy, Pandas*

- Designed a ML full-stack application using **NewsAPI** to classify sentiment of stock-related news headlines
- Classified stock news with **VADER** and **FinBERT**, storing sentiment scores and labels in **PostgreSQL**
- Built an interactive React + Tailwind dashboard with Plotly to visualize sentiment by ticker and time

AirBnb Superhost Prediction Model | *Python, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn*

- Trained a logistic regression classifier in **scikit-learn** to predict whether an Airbnb host qualifies as a superhost
- Optimized model performance using **GridSearchCV** to tune hyperparameters, reaching **81%** accuracy
- Evaluated results with **confusion matrices**, **precision-recall curves**, **AUC curves**, and **accuracy metrics**

TECHNICAL SKILLS

Softwares: Anaconda, LaTeX, Git, Visual Studio, Jira, Jupyter Notebooks, Docker, Postman, Tableau

Technical Skills: Python, Java, C++, SQL, FastAPI, React, Next.js, CSS, Pandas, NumPy, Scikit-learn, TensorFlow, Plotly, Matplotlib, Seaborn

CERTIFICATIONS

Machine Learning Foundations

Cornell Tech