Nidhi Patel

Boston, MA, 02215 | nidhipatel066@gmail.com | +1 857 891 9378 | linkedin.com/in/nidhipatel
github.com/nidhi0805

EDUCATION

Northeastern University, Boston, MA　　　　　　　　　　　　　　　　Sept 2023 – June 2025
Master in Data Analytics　　　　　　　　　　　　　　　　　　　　　　　GPA: 3.8/4.0
Related Courses: Communication and Visualization for Data, Database Management, Big Data

Vellore Institute of Technology, Vellore, India　　　　　　　　　　　July 2018 – May 2022
Bachelor of Technology in Electronics and Communication　　　　　　　GPA: 8.24/10.0

TECHNICAL SKILLS

Languages: Python, SQL, R,

Data Science/Analytics Tools: Hadoop, Spark, Power BI, Qlik, Databricks, Tableau, Dataiku, Libraries: Pandas, NumPy, scikit-learn, TensorFlow, Keras, Matplotlib, ggplot2

Databases: SQL Server, Teradata, Snowflake, MongoDB, Cassandra

Cloud Technologies: AWS, Microsoft Azure,Google Cloud Platform (GCP)

Certifications: Azure Fundamentals by Microsoft AZ-900, Google Data Analytics by Google, Microsoft Power BI Desktop for Business Intelligence

WORK EXPERIENCE

Hewlett Packard Enterprise, Remote, US　　　　　　　　　　　　　　July 2024 – Dec 2024
Data Science Intern

- Built scalable pipelines using **Python** to integrate data, merging sources and reducing processing time by 20%.
- Developed **predictive models** to identify factors driving quote-to-order conversion, improving insights by 15%.
- Engineered **feature selection** techniques, leveraging domain insights to boost win rate prediction by 12%.
- Designed real-time dashboards in **Power BI** and **Qlik** for shipment varaiblilty, slashing delivery time by 25%.
- Applied **A/B testing** and statistical analysis to evaluate pricing elasticity and discount impact, optimizing regional pricing strategies and improving revenue forecasting.
- Automated model training and hyperparameter tuning in **Dataiku**, reducing model deployment time by 30% and enhancing predictive performance.

PepsiCo Global Business Services, Hyderabad, India　　　　　　　　July 2022 – Aug 2023
Graduate Engineer Trainee | Data Engineer

- Designed and optimized data pipelines across the ingestion and transformation layers using **BTEQ scripts**, improving data accuracy by 15% and enhancing performance tracking.
- Led data migration from SharePoint to Data Lake, creating 12 tables across bronze, silver, and gold layers using Azure Databricks, PySpark, and Azure Data Factory, reducing reporting time by 20%.
- Enhanced ETL workflows, implementing parallel processing and indexing, reducing data processing time by 30% and boosting query performance.

ACADEMIC PROJECTS

Sentiment Analysis for Opioid Harm Reduction | *Python, NLP, ML, Flask* 🔗　　　Jan 2025 - Mar 2025

- Applied **NLP techniques** and **sentiment analysis** to Reddit discussions on opioid use to identify public perceptions and emerging trends. Utilized **BERT-based embeddings** to extract key discussion topics. Created a Flask-based dashboard with real-time visualizations, mapping sentiment shifts and high-risk substance mentions.

EuroSAT Classification | *Python, TensorFlow, Keras, Satellite Image Classification* 🔗　　Sept 2024 - Dec 2024

- Developed a deep learning model to classify satellite images from the **EuroSAT dataset**, leveraging **convolutional neural networks (CNNs)**, optimized model performance using data augmentation and **hyperparameter tuning**.

Civic Tech Hackathon 2025 - Winner | *LLM, Ollama, Deepseek, React, MongoDB* 🔗　　Feb 2025

- ThinkFlow is an AI-driven learning platform that simplifies complex topics into personalized mind maps and quizzes. Featuring in-built accessibility tools like text-to-speech and adaptive fonts for inclusive education.