

# Nidhi Patel

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## EDUCATION

**Northeastern University**, Boston, MA

Sept. 2023 – June 2025

Master in 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

**Databases:** SQL Server, Teradata, Snowflake

**Cloud Technologies:** AWS, Microsoft Azure

**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 pipelines using Python to integrate and clean data, merging sources and reducing processing time by 20%.
- Built and deployed predictive models using logistic regression and random forest to understand key drivers influencing the win rate for deals, improving the accuracy of business insights by 15%.
- Built real-time dashboards in Power BI and Qlik, reducing reporting time by 25%, allowing teams to act on insights faster.
- Led pricing analysis by merging and exploring orders and quotes data, revealing key patterns that optimized regional pricing strategies.
- Presented findings to stakeholders through concise presentations and utilized Dataiku for model building and feature engineering, incorporating domain insights to improve win rate predictions and support decision-making.

**PepsiCo Global Business Services**, Hyderabad, India

July 2022 – Aug. 2023

*Graduate Engineer Trainee*

- Orchestrated the development of ACQ and DWL tables in the Global PepsiCo Performance Drivers project using bteq scripts. Enabling more accurate performance metrics and contributing to a 15% increase in data accuracy.
- Led the end-to-end fulfillment of the IT Finance LATAM project by transferring data from SharePoint to DataLake, creating 12 tables across bronze, silver, and gold layers using Azure Databricks, PySpark, and Azure Data Factory, and enabling real-time business insights via Presto views, reducing reporting time by 20%.
- Spearheaded the development of tables in the DWL layer for the E2E Waste Management project which helped the business to meticulously track wastage across various taxonomies.

## ACADEMIC PROJECTS

**Customer Behavior Analysis for Banking Sector** | Python, Machine Learning

Jan 2024 - Mar. 2024

- Leveraged machine learning models (Random Forest, XGBoost, Neural Networks) to predict customer behavior and optimize term deposit marketing strategies. Extracted actionable insights from customer data (balance, contact history) to improve targeting and drive data-driven marketing decisions.

**Face Mask Detection System** | Python, Keras, TensorFlow, IoT

July 2021 - Mar. 2021

- Designed a python system to detect face masks, which became a requirement during the covid-19 pandemic, using neural convolution methods and IoT. For training the focus was on loading the face mask detection dataset, training a model (using Keras/TensorFlow) on this dataset, and then serializing the face mask detector to disk.