**Neha Jagdish Patil**

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**Objective**

Seeking a Data Analyst to leverage my skills in data governance, analytics, Python, SQL, and Tableau for enhancing data-driven decision-making and operational efficiency.

**Education**

**Master of Science in Data Analytics Engineering** Expected Aug 2025

**Northeastern University, Boston, MA,** GPA: 3.9/4.00

Coursework: Data Management for Analytics, Computation and Visualization for Analytics, Data Mining in Engineering, Supply Chain Engineering, Applied Gen AI

**Bachelor of Technology in Computer Science** Aug 2017 - Apr 2021

**Dr Babasaheb Ambedkar Technical University, India**, GPA: 3.56/4.00

Coursework: Data Structures and Algorithms, Object Oriented Programming, System Programming and Operating Systems, Machine Learning, Artificial Intelligence, Business Management

**Skills**

**Technical Skills:** SQL, Python, Hive,Snowflake, Databricks, Teradata, Tableau, Power BI, Visio, Excel (Vlookup, Pivot tables), ETL, AWS (Redshift, S3, Athena, Lambda), Git

**Data Management:** Data Governance, Metadata Management, Data Lineage, Data Profiling, Data Quality Assurance

**Analytics & Reporting:** Data Visualization, Exploratory Data Analysis, Root Cause Analysis, MicroStrategy

**Work Experience**

**Administrative Coordinator,** Northeastern University, Boston, MA Aug 2024 - Dec 2024

• Initiated and independently executed a departmental project to improve satisfaction score analytics **25%**

• Collected **stakeholder requirements**, developed a Python script for **automating data cleaning**, reducing manual processing time

by 40%, and created a **Tableau dashboard** that increased **KPI** tracking **accuracy** and visibility by 30%

• Received commendation for quickly soliciting, incorporating feedback, and delivering professional grade analytics solutions

used by the department for strategic decision-making

**Data Analyst** , Accenture, Pune, India Oct 2021 - Jul 2023

• Ensured data integrity and resolved **20+** monthly issues through root cause analysis using **Hive** and **SQL**, supporting governance

and validation efforts and performed **UAT/SIT**

• Improved **data pipelines** by building a reusable **Talend** framework, converting 400+ jobs and boosting efficiency by 15%

• Built automation tools and real-time alert dashboards using Python to enhance monitoring and **data quality**

• Led cloud migration of **ETL** processes to **AWS** using Spark and **Databricks**, reducing runtime by 20%

• Tuned Spark SQL to enhance data processing speeds by 25%, **optimizing 80M+ record daily loads**

• Automated **EC2** usage for batch workloads, cutting AWS costs by 55%

• Created and maintained data workflows and pipelines using Jenkins, Terraform, and scripting across AWS and on-prem

**Business Intelligence Intern,** V3 Data Solutions, Nashik, India Apr 2021 - Jun 2021

• Developed **ETL** pipeline in data warehouse transforming & loading over 100000 supply chain data points into Databricks

• **Coordinated** with the supply chain team to automate weekly reports in inventory to reduce manual efforts by 100%

• Integrated **Power BI** to forecast demand, **supply chain** operations to reduce stock outs by 10%, expenses by 18%

**Projects**

**Database Design for E-commerce Management System (** [**Link**](https://github.com/neha123-sfsf/E-Commerce-Database-Management-System)**):** Led a transformative project in database engineering, crafting an E-commerce model using **SQL/NoSQL** for thorough customer analysis. Seamlessly integrated SQL Server with Python for automated **data manipulation**, ensuring advanced **business intelligence**. Architected streamlined business management framework, driving **15%** increase in customer satisfaction and 20% business growth

**Amazon Sales Data Analysis in Tableau (** [**Link**](https://github.com/neha123-sfsf/Amazon-Sales-Analysis-Tableau)**):** Analyzed India Sales in Tableau, focusing on KPIs, quantitative and qualitative data analysis, presenting insights to peers. Elevated dashboard functionality, design through A-B testing

**IMDb Movie Data Analysis (** [**Link**](https://github.com/neha123-sfsf/IMDb-Data-Analysis-Python-Tableau)**):** Performed data preprocessing, exploratory data analysis, time series analysis, predictive modeling using Python & Machine Learning, achieved predictive accuracy of **91.2%.** Build interactive Tableau dashboard

**HR Analytics Dashboard using Excel, Power BI, Dax (** [**Link**](https://github.com/neha123-sfsf/HR-Analytics-PowerBI)**):** Developed Power BI dashboard integrating Excel data, utilizing DAX

functions for HR analytics. Streamlined operations, saving 3-4 hours daily for HR team, improved decision-making

**AWS ETL DataLake S3Songs Playlist (**[**Link**](https://github.com/neha123-sfsf/AWS-ETL-DataLake-S3-SongsPlaylist)**):** Engineered an AWS-based **ETL** pipeline using **PySpark** and STAR schema to process and load 50K+ records of song and user data into **S3** Data Lake, reducing query latency by 35%. Enabled high-performance analytics and reporting by exporting structured Parquet files, supporting downstream decision-making and data quality monitoring

**Certifications**

[LeetCode](https://leetcode.com/u/Neha_Patil3/), [Snowflake-DW](https://www.credly.com/users/neha-patil.0fe999bb/badges), [Essential Cloud Infrastructure: Core Services](https://www.coursera.org/account/accomplishments/verify/FNN6XLKMW76U), [PL-300: Power BI Data Analyst Associate](https://learn.microsoft.com/api/credentials/share/en-us/NehaPatil-6839/181B0640B6995585?sharingId=2CFC15D8D34650D0)