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](#)): 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](#)): 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](#)): 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](#)): 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](#)): 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,](#) [Snowflake-DW,](#) [Essential Cloud Infrastructure: Core Services,](#) [PL-300: Power BI Data Analyst Associate](#)