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 Al

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 (<u>Link</u>): 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 (<u>Link</u>): 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 (<u>Link</u>): 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 (<u>Link</u>): 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