# Neha Jagdish Patil

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# EDUCATION

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

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

Coursework: Data Management for Analytics, Computation and Visualization for Analytics, Data Mining in Engineering

**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, Statistics

# SKILLS

**Tools**: Microsoft Office (Outlook, Word, Excel, PowerPoint, Teams), Google Workspace (Gmail, Docs, Sheets,), Zoom, Calendly

**Other Skills:** Fast Learner, Ability to Multi-task and work under pressure, Effective Time Management, Interpersonal

Communication

# 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%

• Recognized by leadership for exceptional initiative, adaptability, and delivering **professional-grade analytics solutions** that

informed strategic departmental goals

• Managed day-to-day administrative functions including **calendar coordination, meeting preparation, travel arrangements**, and

maintaining organized digital filing systems

• Maintained a high standard of **confidentiality and professionalism**, consistently delivering reliable support under tight deadlines

**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, IndiaApr 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%

**Teaching Assistant,** Dr Babasaheb Ambedkar Technical University*,* IndiaApr 2018 - Jun 2021

* Delivered instructional support for undergraduate students in **Python programming, Statistics, Physics, and Computer Science**, ensuring clarity of complex concepts through practical examples and interactive sessions
* Conducted lab sessions, graded assignments, and provided one-on-one academic assistance, helping students strengthen foundational knowledge and improve performance
* Developed supplementary learning materials and exercises to reinforce classroom instruction and encourage hands-on practice
* Collaborated with faculty to monitor student progress, identify learning gaps, and adapt teaching methods to enhance student

engagement and comprehension

**Educational Representative (Volunteer),** Humari Pehchan, NGO *,* IndiaJune 2017 - Jun 2021

* Conducted educational sessions for underprivileged children, teaching basic technical subjects and organizing hands-on lab activities to spark interest in STEM fields
* Developed easy-to-understand learning materials to ensure accessibility and engagement across varying education levels
* Led community outreach initiatives to spread awareness among women about menstrual hygiene and sanitary pad usage, promoting health education and breaking social taboos
* Collaborated with fellow volunteers to organize workshops, manage logistics, and ensure smooth delivery of both educational and awareness programs