

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, 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%

Teaching Assistant, Dr Babasaheb Ambedkar Technical University, India

Apr 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 , India

June 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