

Ameya Deshmukh

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Education

Master of Science in Data Analytics Engineering Northeastern University, Boston, MA , GPA: 3.7/4.00 Coursework: Statistical Learning, Data Management, Computation and Visualization	Expected May 2025
Bachelor of Engineering in Electronics and Telecommunication Vishwakarma Institute of Information Technology, Pune, India , GPA: 3.76/4.00 Coursework: Machine Learning, Probability and Statistics, Data Structures and Algorithms	Aug 2018 - May 2022

Technical Skills

Programming Languages: C++, Python(Pandas, Numpy, Scikit-learn), SQL, NoSQL, Unix
Databases: MS SQL Server, MySQL, Oracle DB, PostgreSQL
Visualization Tools: Tableau, Power BI, Visio, Microsoft Excel, Looker
Data Engineering: Database Design, Data Modeling, Data Warehousing, ETL, Big Data Technologies (Spark, Hadoop), Git
Data Science: Classification, Regression, Neural Networks, Deep Learning, Predictive models, Quantitative models
Cloud and Infrastructure: AWS (Redshift, S3, EC2, Lambda, Glue), GCP(Buckets, Datastore, Version control), Azure

Work Experience

Office Assistant , Northeastern University, Boston, MA Python ,Excel(Pivot Tables),GCP,Flask	May 2024-Present
<ul style="list-style-type: none">Developed and deployed dynamic web applications using Flask, JavaScript enhancing website functionality and UI.Maintained Data ELT pipelines using Airflow scheduling for website's articles and news saving updating time up to 25%.Optimized querying using advanced SQL queries and improved workflow tracking efficiency by 20% using Git and Jira.Worked on GCP to maintain Datastores, Cloud buckets and version control of websites.	
Data Analyst Intern , Newtuple, India Python, LLM's, SQL, AWS EC2	Jan 2023 – May 2023
<ul style="list-style-type: none">Developed a Q&A Chatbot for an e-commerce platform using Python reducing business analysis time by 30%.Utilized LLMs ('Langchain') to convert Natural Language to SQL queries, simplifying database access for stakeholders.Automated ETL data pipelines with DBT by making Data models, achieving 50% time savings for pipelining.Cleaned and optimized data models ('inventory', 'customers', 'orders') in PostgreSQL for AWS EC2 deployment.Applied time-series analysis and statistical modeling, leading to a 12% increase in sales and decision making.Created performance report for supporting product development using problem solving skills.	
Machine Learning Intern , Autonise, India Pytorch, Python, EC2, Flask	Jan 2021 - Mar 2021
<ul style="list-style-type: none">Trained a CNN model using PyTorch for a 'Quick Draw Recognizer'.Applied Standard Scaling and one-hot encoding in data cleaning and feature engineering process.Implemented image recognition functionality using OpenCV capable of identifying eight categories with 83% accuracy.Deployed the model on AWS's EC2 instance and used Flask for REST API connections to Angular JS.	

Projects