

Amod Dhopavkar

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EDUCATION

Northeastern University
Master of Science in Computer Science

Aug 2022 – Dec 2024
Boston, MA

EXPERIENCE

Software Engineer
Goldman Sachs

Dec 2024 – Present
Salt Lake City, UT

- Spearheaded design and implementation of a risk analysis tool that reduced data processing time by 30% during peak trading periods.
- Collaborated with cross-functional teams to develop a scalable data ingestion system, increasing throughput performance by 25% and streamlining workflows.
- Led rapid debugging and deployment efforts during critical production issues, ensuring system uptime and reinforcing stakeholder confidence.

Software Engineer Intern
DataRobot

May 2024 – Aug 2024
Boston, MA

- Developed and optimized predictive pipelines that improved model inference times by 20% on DataRobot's platform.
- Collaborated with cross-functional teams to implement an automated model monitoring system, reducing downtime by 15%.
- Assisted in creating comprehensive testing frameworks for data pipelines, boosting code reliability and minimizing deployment errors.

Software Engineer
Addgene

May 2023 – Dec 2023
Boston, MA

- Designed and implemented an internal tracking system that reduced inventory errors by 25%.
- Collaborated with lab scientists to develop a dynamic web portal, enhancing data accessibility and research efficiency.
- Automated data curation processes using scripting, increasing database accuracy and reducing manual workload by 30%.

Data Engineer
Quantiphi

Aug 2021 – Jun 2022
Mumbai, India

- Engineered and maintained scalable data pipelines for real-time analytics, boosting data processing efficiency by 30%.
- Collaborated with cross-functional teams to design robust ETL processes, enhancing data accuracy and overall reliability.
- Designed and implemented automated data quality checks, reducing downstream data inconsistencies by 25%.

PROJECTS

Kitchen Chronicles | *React, Node, Express, MongoDB*

- Built a full-stack web app using React, Node.js, MongoDB, and REST APIs, managing 100+ user requests per day and improving response time through optimized API endpoints.

E-Inventory Management System | *Python, Flask, AWS, PostgreSQL*

- Engineered an inventory management system on AWS using SQL, Flask, and Python, supporting real-time tracking, reducing errors and optimizing the supply chain process.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, PostgreSQL, JavaScript, HTML, CSS, R

Cloud & Devops: Docker, Kubernetes, Ansible, Terraform, AWS, GCP, CI/CD

Frameworks: React, Node.js, Express, Flask, JUnit, Kafka, RabbitMQ