Amod Dhopavkar

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EDUCATION

Northeastern University **Aug 2022 – Dec 2024**
Master of Science in Computer Science *Boston, MA*

EXPERIENCE

Software Engineer **Dec 2024 – Present**
Goldman Sachs *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 **May 2024 – Aug 2024**
DataRobot *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 **May 2023 – Dec 2023**
Addgene *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 **Aug 2021 – Jun 2022**
Quantiphi *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, MongoDB, Express*
- 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, PostgreSQL, AWS*
- 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, MongoDB, JavaScript
Cloud & DevOps: Docker, Kubernetes, Ansible, Terraform, AWS, GCP, CI/CD
Frameworks: Flask, Node, React, Express, JUnit, Springboot, Swagger, Kafka, RabbitMQ