

# Amod Dhopavkar

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## EDUCATION

<b>Northeastern University</b> <i>Master of Science in Computer Science</i>	Aug 2022 – Dec 2024
<b>University of Pune</b> <i>Bachelor of Science in Computer Science</i>	Aug 2017 – May 2021

## EXPERIENCE

<b>Software Engineer</b> <i>Goldman Sachs</i>	Dec 2024 – Present <i>Salt Lake City, UT</i>
<ul style="list-style-type: none"><li>Containerized 50+ microservices using Docker and Kubernetes with GitLab CI/CD, handling 1M+ daily API calls with 4x faster deployment and 99.999% uptime.</li><li>Redesigned authentication to zero-trust WebID architecture for 100M+ monthly transactions, securing 50k+ users with zero downtime.</li><li>Built ML-powered trade pre-clearance system on AWS EKS processing 50k+ hourly compliance checks, reducing approval time by 10x and risk violations by 85%.</li><li>Architected event-driven compliance engine using Spring Boot and Kafka processing 500k+ daily trades, reducing audit cycles from weeks to hours.</li></ul>	
<b>Software Engineer Intern</b> <i>DataRobot</i>	May 2024 – Sep 2024 <i>Boston, MA</i>
<ul style="list-style-type: none"><li>Built end-to-end ML deployment pipelines using Streamlit and TensorFlow serving 1k+ weekly users, cutting inference latency by 50%.</li><li>Designed TypeScript component library with Storybook documentation reducing UI development time by 60% across 5+ product teams.</li><li>Optimized React performance using code-splitting and SSR, improving Core Web Vitals by 40% for 100k+ enterprise users.</li></ul>	
<b>Software Engineer</b> <i>Addgene</i>	May 2023 – Dec 2023 <i>Boston, MA</i>
<ul style="list-style-type: none"><li>Engineered real-time order tracking using WebSockets and Kafka processing 1M+ annual shipments with 98% accuracy, reducing support tickets by 50%.</li><li>Optimized API performance with Redis caching and query tuning, reducing p99 latency from 300ms to 50ms while handling 5x traffic growth.</li><li>Built secure API gateway with OAuth 2.0 and JWT authentication, preventing 99.9% of unauthorized access attempts on 200k+ materials repository.</li></ul>	
<b>Software Engineer</b> <i>Quantiphi</i>	May 2021 – Aug 2022 <i>Mumbai, India</i>
<ul style="list-style-type: none"><li>Architected cloud platform migration from Elasticsearch to BigQuery using Spark, reducing costs by 40% and improving query performance by 15x.</li><li>Built production pipelines with Airflow and DBT processing 100TB daily, improving data reliability from 85% to 99%.</li><li>Developed real-time fraud detection using Spark Streaming analyzing 1M+ events/sec, reducing false positives by 70% and saving \$2M+ annually.</li></ul>	

## PROJECTS

<b>LaTeX Resume Builder – <a href="http://devcv.xyz">devcv.xyz</a></b>	<a href="https://github.com/devcv/xyz">github.com/devcv/xyz</a>
<ul style="list-style-type: none"><li>Engineered live-preview LaTeX résumé builder (React/Node/TS) with &lt;200ms auto-save, exporting 500+ PDFs monthly.</li></ul>	
<b>LeetCode PowerUp – Chrome Extension</b>	<a href="https://github.com/leetcode-powerup">github.com/leetcode-powerup</a>
<ul style="list-style-type: none"><li>Injects YouTube solutions and scratchpad into LeetCode, saving 5k+ users an average 2min per problem.</li></ul>	

## TECHNICAL SKILLS

<b>Languages &amp; Frameworks:</b> Python, Java, JavaScript, TypeScript, C/C++, SQL, React, Node, Spring Boot, Flask
<b>Cloud, DevOps &amp; Data:</b> AWS, GCP, Docker, Kubernetes, Terraform, Ansible, CI/CD, Airflow, Kafka, MongoDB, Elasticsearch, BigQuery, Redis
<b>Tools &amp; Concepts:</b> RESTful APIs, Microservices, Distributed Systems, Grafana, Prometheus, Git