

# Amod Dhopavkar

[amoddhopavkar2@gmail.com](mailto:amoddhopavkar2@gmail.com) | [amoddhopavkar.com](http://amoddhopavkar.com) | [linkedin.com/amoddhopavkar2](https://www.linkedin.com/in/amoddhopavkar2)

## Education

<b>Northeastern University</b> Master of Science in Computer Science	<b>Sep 2022 – Dec 2024</b> Boston, MA
<b>University of Pune</b> Bachelor of Science in Computer Science	<b>Aug 2017 – May 2021</b> Pune, India

## Experience

<b>Goldman Sachs</b> Software Engineer <ul style="list-style-type: none"><li>Developing a WebID project to transition authentication mechanisms from cookies, enhancing account security and user privacy.</li><li>Engineered a compliance monitoring application using Spring Boot and Java to automate adherence to financial regulations, improving risk mitigation.</li><li>Designed and implemented scalable RESTful APIs with Spring Boot, integrating multiple internal systems while handling over 10,000 requests per day.</li><li>Containerized microservices with Docker and orchestrated deployments on Kubernetes, improving system reliability and simplifying scaling operations.</li><li>Collaborated with security teams to identify and resolve vulnerabilities, strengthening application defenses against emerging threats.</li></ul>	<b>Dec 2024 – Present</b> Salt Lake City, UT
<b>DataRobot</b> Software Engineer Intern <ul style="list-style-type: none"><li>Built three user-facing workflows using Streamlit and Python, enabling seamless interaction with DataRobot's core prediction models.</li><li>Refactored legacy React components to be WCAG 2.1 AA compliant, making the application accessible to a wider range of users.</li><li>Engineered reusable TypeScript components for a core analytics dashboard, reducing code duplication by 40% and accelerating feature development.</li><li>Improved the performance of data-intensive UI components by implementing efficient state management and rendering techniques in React.</li></ul>	<b>May 2024 – Sep 2024</b> Boston, MA
<b>Addgene</b> Software Engineer <ul style="list-style-type: none"><li>Implemented Redis caching for high-traffic API endpoints, reducing average response latency from 200ms to 90ms.</li><li>Developed a robust API authentication and rate-limiting system using JWT, enhancing platform security and preventing service abuse.</li><li>Integrated third-party logistics APIs to introduce real-time shipment tracking, improving order visibility and tracking accuracy by 30%.</li><li>Wrote comprehensive unit and integration tests for critical backend services, increasing code coverage and preventing production regressions.</li></ul>	<b>May 2023 – Dec 2023</b> Boston, MA
<b>Quantiphi</b> Software Engineer <ul style="list-style-type: none"><li>Led the migration of a large-scale data warehouse from Elasticsearch to Google BigQuery, reducing monthly storage costs by 30%.</li><li>Built and maintained automated data pipelines using Apache Airflow and Spark, decreasing data processing times by 35%.</li><li>Developed custom data validation jobs within Airflow DAGs to ensure high data quality and reliability across all analytics platforms.</li></ul>	<b>Aug 2021 – Jun 2022</b> Mumbai, India

## Projects

<b>Resume Builder – devcv.xyz</b> <ul style="list-style-type: none"><li>Engineered a full-stack resume builder with React, TypeScript, and Node.js, featuring a live-preview editor for creating resumes with LaTeX.</li><li>Designed a clean, responsive UI with Material-UI and architected a RESTful backend for template processing and user data management.</li><li>Implemented features for real-time document saving and PDF export, providing a seamless, Google Docs-like user experience.</li></ul>
<b>LeetCode PowerUp – Chrome Extension</b> <ul style="list-style-type: none"><li>Injects a sidebar into LeetCode problem pages displaying the top 3–5 solution videos fetched via the YouTube Data API.</li><li>Provides a per-problem scratchpad for user notes, persisted in chrome.storage for seamless access across sessions</li><li>Implements asynchronous messaging between content and background scripts: content scripts request video data and storage operations, background scripts perform YouTube Data API calls and persist notes, all managed with Promise-based flows for a non-blocking UI.</li></ul>

## Skills

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