

Amod Dhopavkar

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Education

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

Experience

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

Projects

Resume Builder – devcv.xyz
<ul style="list-style-type: none">Engineered a full-stack resume builder with React, TypeScript, and Node.js, featuring a live-preview editor for creating resumes with LaTeX.Designed a clean, responsive UI with Material-UI and architected a RESTful backend for template processing and user data management.Implemented features for real-time document saving and PDF export, providing a seamless, Google Docs-like user experience.
LeetCode PowerUp – Chrome Extension
<ul style="list-style-type: none">Injects a sidebar into LeetCode problem pages displaying the top 3–5 solution videos fetched via the YouTube Data API.Provides a per-problem scratchpad for user notes, persisted in chrome.storage for seamless access across sessionsImplements 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.

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