

Amod Dhopavkar

+1 617-309-0892 | dhopavkar.am@northeastern.edu | [linkedin.com/amoddhho2](https://www.linkedin.com/in/amoddhho2) | amoddhopavkar.com

EDUCATION

Northeastern University, Boston, MA

Sep 2022 – Dec 2024

Master of Science in Computer Science

GPA: 3.8/4.0

- Graduate Teaching Assistant, Programming in C++

University of Pune, India

Aug 2017 – May 2021

Bachelor of Engineering in Information Technology

GPA: 9.2/10.0

- Chairman, IEEE Student Branch

TECHNICAL SKILLS

Languages	Python, Java, JavaScript, C++, Scala, SQL, NoSQL
Web Development	React, Node, Express, Django, Flask, Streamlit, RESTful APIs, GraphQL
Data Engineering	Spark, Airflow, MapReduce, ETL, Kafka
Cloud & DevOps	Amazon Web Services, Google Cloud, Docker, Kubernetes, CI/CD Pipelines

EXPERIENCE

Software Engineer Intern

May 2024 – Aug 2024

DataRobot

Boston, MA

- Developed Streamlit-based full-stack apps leveraging DataRobot platform enabling new workflows and increasing user engagement.
- Expanded test coverage with pytest and monkeypatch boosting software reliability.
- Engineered CI/CD pipeline integrating automated regression and unit testing for GitHub PRs to elevate code quality and deployment efficiency.
- Managed complete software development lifecycle from requirement analysis to deployment and release.

Software Engineer

May 2023 – Dec 2023

Addgene

Boston, MA

- Integrated Redis cache for MVP products slashing latency and API response time by over 50%.
- Developed a full stack end-to-end shipment tracking app with React and Node enhancing operational efficiency.
- Containerized order processing microservices using Docker and Kubernetes improving system scalability.
- Refined React components and bolstered accessibility attaining 100% WCAG compliance and elevating UX.

Data Engineer

Aug 2021 – Jun 2022

Quantiphi Analytics

Mumbai, India

- Spearheaded transition from Elasticsearch to BigQuery reducing cost and improving query performance.
- Developed an ETL pipeline leveraging Google Cloud Platform to dump data from on-prem RDBMS to BigQuery.
- Architected an automated, scalable and distributed ETL pipeline using Spark and Apache Airflow, reducing data processing and ingestion time.

Software Engineer

Aug 2020 – Mar 2021

Veritas Technologies

Pune, India

- Created a packet-tracing utility for Distributed Replicated Block Device (DRBD).
- Leveraged Machine Learning to preemptively predict scenarios that may lead to downtime.

PROJECTS

Collaborative Code Editor | *WebSockets, React, Node.js, Prism.js*

- Real-time collaborative coding platform with features like syntax highlighting and code completion.

Kitchen Chronicles: Full-Stack Web App | *Live Link* | *React, Node.js, MongoDB, REST APIs*

- Full-stack web app for discovering and sharing recipes, featuring user authentication and interactive features.

E-Inventory Management System | *Amazon Web Services, SQL, Flask, Python*

- Cloud-based inventory management system enabling real-time product tracking and automated reporting.

Money Magnet: Stock Portfolio Management | *Java, JUnit, Software Development Life Cycle*

- Java application for monitoring stock portfolios, utilizing real-time data and following best SDLC practices.