

# DHANSHREE SURESH BARAVKAR

857-423-5882 | Boston, MA | [baravkardhanshree@gmail.com](mailto:baravkardhanshree@gmail.com) | [Linkedin](#) | [Github](#) | [Portfolio](#) | Exp. Graduation June 2025

## Education

### Northeastern University; Masters of Science in Computer Science

Sep 2023 – Jun 2025

GPA: 4.0; Courses: Algorithms, MLOps, Deep Learning, Programming Design

Boston, MA

### Cummins College, Bachelors of Technology in Computer Engineering

Aug 2017 – May 2021

GPA: 8.93; Courses: Data Structures, Cloud Computing, Machine Learning

Pune, MH

## Experience

### Staples Inc.

Jul 2024 – Dec 2024

Software & Machine Learning Intern

Framingham, MA

- Developed PySpark data pipeline on Azure Databricks, reducing data transformation time by 40% from 5 to 3 hours.
- Integrated data processing workflow with Snowflake for efficient storage and cross-team analytics.
- Designed full-stack route optimization app using React, Python Flask, and Leaflet.js for interactive mapping.
- Containerized route optimization application with Docker to enhance deployment and scalability.
- Built time-series analysis model to calculate product price elasticity from historical sales data.
- Collaborated in Agile methodology, conducting sprint planning, retrospectives, and stakeholder demos.

### Citigroup

Jul 2021 – Aug 2023

Software Engineer

Pune, MH

- Designed and implemented microservice architecture for distributed payment processing and equity tracking systems.
- Redesigned Kotlin application with caching mechanism for transactions, improving data tracking and management.
- Migrated multi-component application from OpenShift 3 to OpenShift 4, ensuring seamless infrastructure transition.
- Orchestrated distributed transaction processing system using Spring Batch, Kafka, and ActiveMQ across SQL and MongoDB databases.
- Implemented CI/CD pipeline using Jenkins to build Docker images and uDeploy to deploy applications to OpenShift.
- Conducted vulnerability assessments using Checkmarx and SonarQube, identifying and resolving critical security issues in Java applications.
- Diagnosed and proactively resolved complex bugs by monitoring production application logs in Kibana, significantly improving system reliability and performance.

### Deutsche Bank

Jun 2020

Software Engineer Intern

Pune, MH

- Developed a hot desking application using Angular, Node.js, and Express.js with Redis for efficient data storage, enabling real-time desk management with features like seat booking, unbooking, and out-of-office status management.
- Designed intuitive wireframes and implemented a user-friendly interface, ensuring seamless interaction through RESTful APIs for responsive and efficient frontend-backend communication.

## Projects

### StockUp | Angular, NodeJS, MySQL

Dec 2023

- Developed a financial investment tracker with features such as updating stock prices every 10 seconds, calculating profit/loss of the portfolio, and tracking buy/sell orders.
- Incorporated a watchlist feature for users to track stock performance and utilized the marketaux API to fetch relevant news related to the stock market.

### Image Processor | Java, Java Swing, Git

Dec 2023

- Developed a high-performance image processing application in Java, utilizing Java Swing to implement a wide range of image editing features, including cropping, filtering, and color adjustments.
- Leveraged advanced image processing algorithms to achieve real-time performance and support a variety of image formats.

## Technical Skills

**Languages:** Python, Java, Kotlin, JavaScript, TypeScript, HTML, CSS, SQL, C, C++, Bash

**Frameworks & Libraries:** React, Angular, Node.js, Express.js, Flask, Java Swing, PySpark, Linux, NoSQL, Spring Boot

**Cloud & DevOps:** Azure Databricks, OpenShift, Docker, Kubernetes, Jenkins, GitHub, GCP, AWS, Kafka, ActiveMQ

**Databases:** Snowflake, Redis, SQL, MongoDB, MySQL

**Tools:** VS Code, Eclipse, Checkmarx, SonarQube, Kibana, Leaflet.js, Git, JIRA, Confluence

**Concepts:** Microservices, Serverless Architecture, REST APIs, System Design, Distributed Systems, CI/CD, Object Oriented Programming, SDLC, ETL, Agile, Scrum, Communication

## Leadership / Extracurricular

- Won the Most Impactful Solution award at SheHACK'25 Hackathon, spearheading the development of Hermony web app.
- Led a dynamic team of 10+ individuals in hosting "Casino Royale," a technical competition that attracted 115+ teams.