

# Atharva Kamble

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Software Engineer | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

857-200-4661

## Technical Skills

<b>Frontend Development</b>	React, NextJS, Webflow CMS, TypeScript, JavaScript, JQuery, Tailwind, HTML5, CSS, Three.js
<b>Backend &amp; Databases</b>	Django, Python, Spring Boot, Java, REST, SQL, PostgreSQL, MongoDB, Sonarcube, Haskell
<b>Cloud &amp; DevOps</b>	Linux (Fedora and Red Hat), Docker, AWS EC2, RDS, SageMaker, Grafana, Terraform, Jenkins, Git, GitHub
<b>Data &amp; Machine Learning</b>	Pandas, Numpy, Matplotlib, Scikit-learning, Tensorflow, PyTorch, Kafka, Airflow

## Education

### Northeastern University

Boston, US

Master of Science, Computer Software Engineering, 3.9/4.0

September 2023 - December 2025

Relevant courses: Algorithms, Web development, Objected oriented design in Java, Design patterns, Smart contracts

### University of Mumbai

Mumbai, IN

Bachelor of Engineering, Electrical and Electronics Engineering, 3.6/4.0

August 2018 - May 2022

Relevant courses: Programming in C, Object Oriented Design, Databases, Computer Networks, Embedded software development

## Experience

### Graduate Teaching Assistant

September 2024 - Present

College of Engineering, Northeastern University (C++, C#, VoiceFlow AI)

Boston, MA

- Review and grade C++ (Unreal Engine) and C# (Unity) code submitted by students as part of assignments and mini-projects
- Conduct TA hours where students can clear fundamental queries about the course and fundamentals of C++ and C#

### Software Engineer I

August 2022 - May 2023

Cognizant Technology Solutions Ltd. (Java Spring, React, PostgreSQL, AWS, GH Actions, Redis)

Mumbai, IN

- Built an internal attendance tool, enabling efficient batching and job submission with Java Spring, Sonarqube, and AWS EC2
- Planned, implemented and shipped experimental features for OneCognizant - the company wide app store for employees
- Optimized SQL queries with industry standard normalization techniques, resulting in 84% improvement in response time
- Designed a payments verification microservice with Stripe for managing more than 10000 daily authorized payments

### Junior Software Engineer

April 2021 - February 2022

RaftLabs Co. (NodeJS, NextJS, Java, AWS, Terraform, Jenkins)

Gujarat, IN

- Implemented an end-to-end B2C financial loyalty app for local furniture vendors in Ireland enabling them to optimize revenue with a benchmark of 47% profit per customer. Used React, Java Spring, and Terraform for infrastructure
- Engineered a highly scalable analytics tool for efficient coupon distribution for the Bank of Ireland achieving a customer retention rate of 67% over 7 weeks
- Set up CI/CD pipelines with Jenkins to batch blog posts and post them at appropriate times to maximize views, increasing average monthly views by 78%
- Built and maintained the company website with Webflow. Optimized SEO with HubSpot analytics increasing organic traffic over 6 months by 120%

## Projects

**Model-0** A full-stack application enabling rapid creation, fine-tuning, and deployment of large language models (LLMs) using AWS SageMaker. Utilized Django, Python, PostgreSQL, Vue.js, and AWS EC2 to deliver a high-performance, scalable solution.

**Present - Google Slides clone** An animation-first full stack presentation app built using React, NextJS, PostgreSQL, TypeScript. Allows faster animation effects and presentation building speed due to a drag and drop engine. Deployed [here](#). Demo [here](#)

**Minecraft with Procedural Terrain Generation** A terrain generator that uses Perlin Noise to generate Minecraft blocks using Three.js, JavaScript, HTML5, CSS. Optimized to render 900000 blocks resulting to a 200% FPS improvement. Deployed [here](#)

**Go-pomo** A pomodoro timer in the terminal using Go channels, concurrency and advanced terminal UI rendering.

**Edeetor - dev tools** Code editor in the browser that helps developers execute code using local runtimes without authentication or sign-ups. Built using Go, JavaScript, HTML5, CSS

**OpenResearch** An end-to-end platform written in Java, Swing and SQLite enabling researchers to collaborate on publications, integrated with version control and authorization microservice, incorporating object oriented principles

**WheresMyBlock** A blockchain analyser for the BitCoin and Ethereum ecosystems enabling users to analyse block chain height, node geography, latest transaction, and average transaction amount in a certain lookback period