

Atharva Deepak Kamble

[GitHub](#) • [LinkedIn](#) • [Portfolio](#) • [Email](#) • 857-200-4661 • Boston, MA (Open to relocation)

Education

Northeastern University

Boston, MA

Master of Science, Computer Software Engineering

Sep 2023 - Expected April 2025

Relevant courses: Algorithms, Web and API development, Object Oriented Design in Java, Design patterns, Operating Systems, UNIX

University of Mumbai

Mumbai, IN

Bachelor of Engineering, Electrical & Computer Engineering

Aug 2018 - May 2022

Relevant courses: Programming in C, Object Oriented Design, Databases, Computer Networking & Architecture, Big Data, Image Processing

Work Experience

College of Engineering, Northeastern University (Java, C++, C#, HTML, Javascript)

Boston, MA

Graduate Teaching Assistant

Sep 2024 - Present (7m)

- Conduct code reviews and grade student submissions for C++, C# and shader video projects, ensuring code quality and alignment with course objectives
- Hold weekly office hours to address questions on course fundamentals, supporting student learning and problem-solving skills
- Created YouTube tutorials to simplify complex concepts, extending learning resources to a wider audience
- Design and administer exams via Canvas, streamlining assessments with automated grading and detailed feedback

Cognizant (Python, React, MySQL, AWS, GitHub Actions, Docker, REST API)

Mumbai, IN

Software Engineer I

Aug 2022 - May 2023 (10m)

- Engineered a low-latency transaction system by implementing asynchronous job processing in Django and MySQL, reducing settlement time by 45% and ensuring compliance with financial regulations
- Developed a Stripe-powered payments REST endpoint, enabling secure processing of over 5,000 daily transactions with a 99.9% uptime
- Spearheaded the release of experimental features for OneCognizant, reducing system downtime by 72 hours and improving platform reliability for over 10,000 daily visiting employers
- Orchestrated multi-container deployments in Kubernetes for REST API Docker containers with ingress config routes

RaftLabs (NextJS, React, Java, AWS, Terraform, Jenkins, Redis, Saas, REST API)

Remote

Junior Frontend Engineer (Founding Engineer)

Apr 2021 - Feb 2022 (11m)

- Implemented an end-to-end B2B financial loyalty app for the Bank of 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 B2C analytics tool for efficient coupon distribution for Brandfire - a marketing and digital branding agency - achieving a customer retention rate of 67% over 7 weeks
- Developed HappyLiveSales - a live-stream selling platform on Shopify - using Meta's webhook integration to register customer orders via Facebook chat
- Built a real-time order tracking system using Apache Kafka for Instantor Loyalty - a fintech firm, ensuring 99.9% message delivery reliability and reducing order processing delays

Technical Skills

Backend & Databases	Python, Django, JavaScript, Java, Spring Boot, SQL, Go, GraphQL, MySQL, Node.js, Bash, Haskell
Frontend Development	React, NextJS, GraphQL, JavaScript, TypeScript, HTML5, CSS, Webflow, JQuery, Tailwind, Three.js
Systems	Linux (Fedora and Ubuntu), Docker, Terraform, CI/CD, GitHub Actions, REST APIs, HTTP Protocols, Jenkins, Git
Data & AI	AWS SageMaker, LangChain, Mendix, Pandas, Numpy, Matplotlib, Plotly, Scikit-learning, PyTorch, Apache Kafka

Projects

Model-0 A full-stack application enabling rapid creation, fine-tuning, and deployment of large language models (LLMs) using AWS SageMaker. Utilized React, Python, MySQL, and AWS EC2 to deliver a high-performance, scalable infrastructure

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

LegacyTheApp A full-stack app with an OpenAI chatbot, React, Node.js, and PostgreSQL. Computed insights for mental health counselors to make informed decisions while counseling clients. Insights are computed with the NMF algorithm to gather topics from previous counseling conversations. Deployed [here](#)

Blazingly Fast Web Crawler Coded a highly performant web crawler utilizing Java's CompletableFuture API for efficient asynchronous crawling, featuring a robust CLI system and integrated benchmarking for performance analysis. Benchmarked at 730 URLs per second