

Atharva Deepak Kamble

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Software Engineer | [GitHub](#) | [LinkedIn](#) | [Portfolio](#) | Boston, MA

Technical Skills

Frontend Development	React, NextJS, JavaScript, TypeScript, WordPress, Webflow, JQuery, Tailwind, HTML5, CSS, Three.js
Backend & Databases	Python, NodeJS, Postgres DB, Spring Boot, Java, Bash, Log4J, REST, SQL, MySQL, Sonarcube, Haskell
Cloud & DevOps	Linux (Fedora and Red Hat), Docker, Azure, AWS EC2, SageMaker, Vercel, Terraform, Jenkins, Git, GitHub
Data & Machine Learning	OpenCV, LangChain, Pandas, Numpy, Matplotlib, Plotly, Scikit-learning, 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, OpenCV

Experience

Graduate Teaching Assistant

September 2024 - Present

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

Boston, MA

- Review and grade C++ and C# 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#
- Prepare and administer tests, mid-term and final exams, utilizing Canvas to streamline assessment and auto-grading

Software Engineer I

August 2022 - May 2023

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

Mumbai, IN

- Planned, implemented and shipped experimental features for OneCognizant - the company-wide app store for employees
- Provided support for internal attendance tool, enabling efficient batching and job submission with Django, and PostgreSQL
- Optimized SQL queries with industry-standard normalization techniques, resulting in an 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, React, 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 B2B analytics tool for efficient coupon distribution for Brandfire - a marketing and digital advertising agency - achieving a customer retention rate of 67% over 7 weeks
- Developed HappyLiveSales - a live-stream selling platform on Shopify - using [Facebook webhook integration](#) to register customer orders via Facebook chat
- Built and maintained the company website with WordPress. Optimized SEO with HubSpot analytics increasing organic traffic over 6 months by 120%

Technical Projects

[Model-O](#) A full-stack application enabling rapid creation, fine-tuning, and deployment of large language models (LLMs) using AWS SageMaker. Utilized Django, Python, PostgreSQL, React.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, Express.js, NextJS, and PostgreSQL. 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 in a 200% FPS improvement. Deployed [here](#)

[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

[PyTorch Speculative Edits](#) Implemented speculative edits for HuggingFace LLMs (3b) for parallelism in inference resulting in a 58% fast token generation speed