

Atharva Deepak Kamble

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

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857-200-4661

Technical Skills

Frontend Development	React, NextJS, JavaScript, TypeScript, WordPress, Webflow, JQuery, Tailwind, HTML5, CSS, Three.js
Backend & Databases	GoLang, Java, Python, NodeJS, Postgres DB, Spring Boot, Java, Bash, Log4J, REST, SQL, MySQL, Haskell
Systems	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

Sep 2023 - Expected May 2025

Master of Science, Computer Software Engineering, 3.84/4.0

Boston, MA

Relevant courses: Algorithms, Web development, Object oriented design in Java, Design patterns, Operating Systems

University of Mumbai

Aug 2018 - May 2022

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

Mumbai, IN

Relevant courses: Programming in C, Object Oriented Design, Databases, Computer Networks, OpenCV

Experience

Graduate Teaching Assistant

Sep 2024 - Present (5m)

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 (Trainee)

Aug 2022 - May 2023 (10m)

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

Apr 2021 - Feb 2022 (11m)

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 using 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](#)

Procedural Terrain Generation A terrain generator that uses Perlin Noise to generate Minecraft terrain with lakes 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 GoLang, 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

LegacyTheApp A full-stack app with an OpenAI chatbot and 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](#)