

# Atharva Deepak Kamble

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## Technical Skills

<b>Backend &amp; Databases</b>	Java, Spring Boot, MySQL, GoLang, Python, Django, NodeJS, NestJS, Bash, Log4J, SQL, Haskell
<b>Frontend Development</b>	React, NextJS, JavaScript, TypeScript, WordPress, Webflow, JQuery, Tailwind, HTML5, CSS, Three.js
<b>Systems</b>	Linux (Fedora and Ubuntu), Docker, CI/CD, AWS EC2, REST APIs, HTTP Protocols, Terraform, Jenkins, Git, GitHub
<b>Data &amp; AI</b>	LangChain, Mendix, Pandas, Numpy, Matplotlib, Plotly, Scikit-learning, PyTorch, Kafka

## Education

<b>Northeastern University</b>	<i>Sep 2023 - Expected May 2025</i>
Master of Science, Computer Software Engineering	Boston, MA
Relevant courses: Algorithms, Web development, Object Oriented Design in Java, Design patterns, Operating Systems	
<b>University of Mumbai</b>	<i>Aug 2018 - May 2022</i>
Bachelor of Engineering, Electrical and Computer Engineering	Mumbai, IN
Relevant courses: Programming in C, Object Oriented Design, Databases, Computer Networking & Architecture	

## Work Experience

<b>Graduate Teaching Assistant</b>	<i>Sep 2024 - Present (5m)</i>
College of Engineering, Northeastern University (C++, C#)	Boston, MA
<ul style="list-style-type: none"><li>Review and grade C++ and C# code submitted by students as part of assignments and mini-projects</li><li>Conduct TA hours where students can clear fundamental queries about the course and fundamentals of C++ and C#</li><li>Prepare and administer tests, mid-term and final exams, utilizing Canvas to streamline assessment and auto-grading</li><li>Created comprehensive and professional YouTube tutorials explaining class concepts for a larger audience</li></ul>	
<b>Software Engineer I - Backend</b>	<i>Aug 2022 - May 2023 (10m)</i>
Cognizant Technology Solutions Ltd. (Java Spring, React, MySQL, AWS, GH Actions, Docker)	Mumbai, IN
<ul style="list-style-type: none"><li>Planned, implemented and shipped experimental features for OneCognizant - the company-wide app store for employees</li><li>Provided support for internal attendance tool, enabling efficient batching and job submission with Java, and MySQL</li><li>Optimized SQL queries with industry-standard normalization techniques, resulting in an 84% improvement in response time</li><li>Designed a payments microservice with Stripe for managing more than 5000 daily authorized payments</li></ul>	
<b>Junior Backend Engineer</b>	<i>Apr 2021 - Feb 2022 (11m)</i>
RaftLabs Co. (NextJS, React, Java, AWS, Terraform, Jenkins, Redis, Saas)	Gujarat, IN
<ul style="list-style-type: none"><li>Implemented an end-to-end B2C financial loyalty for Bank of Ireland enabling them to optimize revenue with a benchmark of 47% profit per customer. Used React, Java, and Terraform for infrastructure</li><li>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</li><li>Developed HappyLiveSales - a live-stream selling platform on Shopify - using Facebook webhook integration to register customer orders via Facebook chat</li><li>Built and maintained the company website using WordPress. Optimized SEO with HubSpot analytics increasing organic traffic over 6 months by 120%</li></ul>	

## 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, MySQL, 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 MySQL. 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

**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](#)