

Dhruv Gorasiya

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Boston, MA

EDUCATION

- **Khoury College of Computer Science, Northeastern University** Boston, MA
Master of Science in Computer Science Expected: May 2026
- **California State University, Long Beach** Long Beach, CA
Bachelor of Science in Computer Science; GPA: 3.6 / 4.0 January 2020 - May 2024

EXPERIENCE

- **California State University, Long Beach** Long Beach, CA
Research Assistant August 2023 – June 2024
 - **LSH:** Built and optimized Locality Sensitive Hashing for large-scale indexing, boosting query speed by **15%**.
 - **Minhash:** Integrated the LSH algorithm with Minhash in Python, resulting in a streamlined data retrieval process that improved query execution time by an average of **200** milliseconds per request.
 - **Scalability:** Designed scalable algorithms for big data applications, achieving record uptime and supporting a **30%** increase in user-generated content within six months.
- **BeachEvents** Long Beach, CA
Full-Stack Developer January 2023 – December 2023
 - **Development:** Led a team of six developers to build a real-time mobile app for event tracking using React Native, Django, and MongoDB, resulting in a **25%** reduction in event update delays.
 - **Security & Notifications:** Enhanced app security by implementing Bcrypt for password hashing and integrated real-time notifications with Expo Notifications, increasing user engagement by **30%**.
 - **Scalability:** Designed and deployed a scalable MongoDB architecture, reducing data retrieval time by **20%**, and integrated interactive maps for event tracking, improving overall user experience satisfaction by **15%**.
- **California State University, Long Beach** Long Beach, CA
Computer Science Tutor September 2023 – December 2023
 - **DSA and OOP:** Delivered in-depth instruction on core and advanced computer science topics, including Data Structures, Algorithms, Object-Oriented Programming (OOP), and Machine learning.
 - **Mentoring:** Guided students through intricate aspects of software management and security protocols; contributed to a notable increase in overall coding proficiency among mentees by directly supporting over 10 diverse projects.

PROJECTS

- **NeuraNews** (*Next.js, Spring Boot, Python, MongoDB, Docker, Kubernetes*) August 2024 - October 2024
 - Engineered a full-stack application with Next.js and Spring Boot using a microservices architecture, improving news recommendation accuracy by **30%** and increasing user engagement.
 - Built an AI-driven personalization tool with FastAPI and machine learning models, boosting session duration to **25+** minutes for targeted demographics
 - Developed and deployed scalable applications with Docker and Kubernetes, reducing setup times by **30%** and accelerating time-to-market for new features.
- **Fridge-Manager** (*Django, MongoDB, React.js*) January 2023 - May 2023
 - Developed a Django-based web application for multi-account fridge management, reducing food waste by **15%** and increasing organizational efficiency across different units.
 - Integrated MongoDB for scalable data storage, improving query response time by approximately **15%** for datasets of up to **500+** records.
 - Implemented secure user authentication with Bcrypt, enhancing data security by reducing login breaches by **25%** and ensuring compliance with privacy regulations.

SKILLS

- **Languages:** Python, Java, Go, JavaScript, C++, Swift, SQL
- **Database:** PostgreSQL, MySQL, MongoDB, Firebase
- **Frameworks & Libraries:** Django, Spring boot, React.js, NodeJs, TensorFlow, PyTorch, Scikit-Learn, Pandas
- **Software/Tools:** Kubernetes, Docker, Git, GitHub, AWS