

SHREY KHAKHARIA

B.Tech, Information and Communication Technology with minor in Computational Science

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Technical Skills

Languages: Java, C/C++, Python, TypeScript, SQL

Developer Tools: Visual Studio Code, Sublime, PgAdmin.

Tools/Framework: React, Node, Spring Boot, Rest, GraphQL, MongoDB, Postgres, Mongoose, MySQL, RDMS, NoSQL, Git, AWS

Technical Electives: Data Structure and Algorithms, Machine Learning, Natural Language Processing, Big Data Processing, Linear Algebra, Probability and Statistics, Design and Analysis of Algorithm, Object Oriented Programming, Database Management System, Operating System, Computer Networks,

Projects

HomeQuest [Link](#)

Jan 2024 - March 2024

- **Features:** RBAC Authentication system(user,admin),cloudinary storage, dark/light mode, User Favorites/bookmark, Filters that includes sorted by price, location, type(land, workplace, home, sale, rent)
- Built a secure, modular real-estate SaaS platform using Node, React, and MongoDB. Optimized backend by using GraphQL
- **Integrated an AI Chatbot, an alternative to RSS feeds** which enhanced User Experience.
- Increased productivity in development by developing a NPM package having a method of forward-backward navigation, hence reducing the overwriting of the same method.

Ratelimiter [Link](#)

April 2025 - May 2025

- Developed a gRPC microservice with hierarchical, distributed rate limiting using Bucket4j + Redis to enforce multi-level quotas (global → tenant → user → endpoint) across pods.
- Implemented a gRPC ServerInterceptor extracting metadata (user-id, tenant-id) for identical enforcement on RPC calls, showcasing poly-protocol expertise.
- Enabled dynamic quota adjustment via YAML/Actuator hooks for runtime updates without redeploy, ensuring ops-friendly control.
- Ensured production readiness with unit tests (JUnit 5 + Mockito) and integration tests (Testcontainers + Redis) validating exhaustion scenarios and resilience.

Image Data Classifier [Link](#)

Oct 2023 - Dec 2023

- Enforced graph-based semi-supervised image classification via label propagation over similarity graphs, boosting accuracy with minimal labeled data
- Ensured robustness and reproducibility with baseline Random Forest comparisons, comprehensive notebooks for EDA, and modular, well-documented code structure with Test-ready setup

Education

Dhirubhai Ambani Institute of Information and Communication Technology

B.Tech in ICT with minor in Computational Science

Gandhinagar, Gujarat

BAPS Swaminarayan Vidyamandir (GHSEB)

Class 12th, Percentage: 95.53%

Gujarat

Experience

MAQ Softwares

Jan 2025 — Present

Software Engineer

Noida

- Improved the performance of the Inventory Dashboard by implementing caching on the front-end, thus reducing the loading time by more than 50%.
- Migrated the existing Power App workflow to web app hence unifying every functionality on a single platform.
- Designed and executed an automation testing utility to traverse and fetch link depth via BFS, integrated into CI/CD pipeline for regression testing of portals (ensuring robust operations and reduced manual effort).

Achievements

- Leetcode : Knight [S_233](#)
- Successfully contributed in one of the largest open source organization(libreoffice) by getting 2 PR merged which will be published in upcoming version of libreoffice.