# Arpit Prajapat

📞 (+91) 8319611719 | ✉ arpitp1712@gmail.com | 🏠 akprajapat.github.io | ⌂ akprajapat | in arpit-prajapat-9988881b3

## Education

**Indian Institute of Technology, Bombay**                                                *July 2017 - May 2021*

- Bachelor of Technology in **Computer Science and Engineering**
- Secured **All India Rank 46** in **JEE Advanced** out of 2.2 lakhs candidates
- Secured **All India Rank 244** in **JEE Mains** out of 1.2 millions candidates

## Work Experience

**Structured Learning & Technical Upskilling**                                    *Nov 2022 - Present*

- Strengthened systems thinking by synthesizing knowledge from quantitative methods and scientific philosophy
- Applied these analytical frameworks to architect, evaluate, and optimize complex software systems

**Apnatime Tech**                                                                              *Bengaluru, India*
**Software Development Engineer - II**                                                *Jun 2022 - Oct 2022*

- Led the collaboration with Vodafone Idea (VI) to implement **user authentication** for our mini-app within the VI Super App by decrypting shared encrypted user data using **AES and SHA**, resulting in a **15% increase** in users
- Migrated the **Job-Search** from a monolithic Django architecture to an internal **Gin-based Golang microservice**, leveraging **Redis and Elasticsearch**, resulting in an **60% reduction** in API response time
- Migrated the **Job-Feed** from a monolithic Django architecture to a **Gin-based Golang microservice**, utilizing **Cassandra, Redis, and Kafka**, reducing **latency by 50%**, improving scalability and system reliability
- Created a **Metabase dashboard** to analyze crawled vs generated sitemaps, automating data reconciliation and accelerating business **decision-making by 40%** through actionable insights

**Apnatime Tech**                                                                              *Remote, India*
**Software Development Engineer - I**                                                *Jun 2021 - Jun 2022*

- Engineered an automated cron job for XML sitemap generation, improving Google crawling, ranking, indexing, leading to **25% improvements** in rankings and **20% higher traffic** using **Redis, BigQuery, and GCS buckets**
- Engineered a scalable async system using **Redis, BigQuery, and Celery** to generate SEO-optimized URLs in web-page footers, **increasing organic traffic by 25%** through efficient processing and real-time updates
- Implemented rate-limiting in the OTP SMS service using **Redis and IP-based restrictions** at the load balancer, **reducing malicious requests by 60%** and improving system stability and security
- Enhanced OTP-based authentication by integrating multiple SMS providers, **reducing message delivery latency by 30%**, improving reliability by 25%, and **lowering costs by 20%**

## Projects

**Skribble | Node.js, Express, Socket.IO**  ⌂ *Source Code*  ▶ *Play-now*                *Nov 2025*

- Built a real-time multiplayer drawing and guessing game using Node.js, Express, Socket.IO, and React, HTML5
- Added rounds, timers, scores, AI-generated words, live canvas updates and scalable event-driven gameplay

**Discussion Forum | Golang, MongoDB, Gin, React**  ⌂ *Source Code*                *Nov 2025*

- Built a full-stack Discussion platform with authentication, Q&A, comments, voting, and a Responsive React UI
- Created a Gin backend handling JWT login, searching and every core feature of the platform using MongoDB

**Secure Personal Cloud | Django, JavaScript, Bash**  ⌂ *Source Code*                *Oct 2025*

- Built a secure personal cloud system with web and Linux clients using local AES/DES encryption
- Designed a Django REST backend with JWT security, encrypted storage, and file syncing across various devices.

## Skills

**Frameworks**:   Gin, Django, FastApi, Node, Express, React
**Languages**:   Python, Golang, Javascript, Typescript, Bash, SQL, C++, Java
**Databases**:   Postgresql, MongoDB, Redis, BigQuery, Elasticsearch, Cassandra,
**Technologies**:   Kafka, PubSub, Celery, RabbitMQ, GCP, CloudFunctions, CloudScheduler, Nginx
**Miscellaneous**:   Git, Datadog, Sentry, Jenkins, Postman, Jira, Google Analytics