



# Shikhar Gupta

Integrated Masters of Technology  
in Information Technology  
Indian Institute Of Information Technology, Gwalior

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## EDUCATION

Degree	Institute	CGPA/Percentage	Year
Dual Degree in Information Technology	IITM Gwalior	7.02	2020-2025
Class XII	ISC CMS Kanpur road Lucknow	95.6%	2019
Class X	ISC CMS Kanpur road Lucknow	93.6%	2017

## WORK EXPERIENCE

- Futurepedia** October 2022 - July 2023  
*Software Engineering Intern - Fullstack* remote
  - Architected and deployed a highly scalable client-side application using **Next.js** on **Vercel** and **Sanity as CMS**, supporting a user base of **180k**; achieved a **19%** reduction in operational costs.
  - Leveraged **Firestore Cloud Functions** for automated emails upon user creation and scheduled monthly backup to **GCP**.
  - Improved page performance and user engagement by implementing custom HTML for lazy-loading YouTube videos, boosting Lighthouse score by **20 points** and conversions by **15%**.
  - Led **Typesense Vector** Search integration, achieving a 60% increase in search precision.
- Crudcook labs** Jan 2022 - July 2022  
*Software Engineering Intern - Frontend* remote
  - Enhanced website performance by **15%** and increased page load speed by **30%** by leading responsive site development using **React.js**, **Next.js**, and **Redux**.
  - Integrated **Google and Twitter OAuth using Firebase**, resulting in a **40%** increase in user registrations and streamlined authentication process.
  - Utilized **SendGrid** for transactional emails, optimizing email deliverability and increasing **customer engagement** by **25%**.

## PROJECTS

- AI tools list** Dec 2022 - July 2023  
*Personal Project* **Deployment**
  - Engineered and oversaw the core system architecture, facilitating user interactions such as marking favorites, submitting, and reporting on AI tools, enhancing platform functionality and user engagement.
  - Implemented **serverless** architecture and server-side caching with **Upstash Redis** database, reducing network load and response time by **15%**.
  - Optimized website for **SEO**, using **generative AI**, leading to improved organic search rankings, increased website traffic with **daily active users averaging around 15k**.
- Next MEET** Apr 2022 - Mar 2022  
*Flipprr hackathon* **Github**
  - Employing **WebRTC** through **SimplePeer.js** for high-quality, real-time video communication, mimicking the efficiency and effectiveness of Google Meet's conferencing capabilities.

## ACHIEVEMENTS

- Leetcode rating **1806 Best rank 171**
- Codeforces: **Expert** rating 1660(Highest)
- Codechef: **4 star** rating 1821
- Best **rank 170** in **Codeforces Div3 round.863** among 22k+ participants
- Best **rank 1313** in **Codeforces Div2 round 794** among 18k+ participants
- Google hashcode secured **1898**.
- 97** rank in February sprint on **Hackerearth**.
- 3rd** Place in **DevJam** by **MNNIT Allahabad** 2022
- 3rd** in **Flipprr** all India Hackathon. 70+ college teams 2022

## TECHNICAL SKILLS

- Programming Languages:** C/C++, Javascript, Typescript, Python, Java .
- Tools and Frameworks:** React.js, Next.js, Node.js, Express.js, GraphQL, Sanity, Typesense, Firebase, Docker, Grafana, Prometheus.
- Databases:** MongoDB, Firestore, Redis, AWS S3.
- Others:** Web Scrapping, Upstash, Vercel, Heroku, REST API, Git, GitHub, Sanity, GitHub Actions, Markdown, Asana, OpenAI.

## POSITIONS OF RESPONSIBILITY

- UI/UX Lead**, GDSC Club, IITM Gwalior Apr. 2022 - Apr. 2023
- Backend Development Organizer**, AASF Club, IITM Gwalior Apr. 2022 - Mar. 2022