

# HARSHIT SHARMA

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🌐 [LinkedIn](#)

🐙 [Github](#)

🔗 [CodeForces](#)

🔗 [Leetcode](#)

🌐 [Portfolio](#)

## Education

**Indian Institute of Information Technology Sricity**

*B.Tech in Artificial Intelligence and Data Science (CGPA: 8.3)*

**Aug 2023 - June 2027**

*Andhra Pradesh, India*

## Technical Skills

- **Languages:** C, C++, JavaScript, TypeScript, Java, Python, R
- **Technologies:** Next.js, Node.js, Express.js, Electron.js, React.js, MongoDB, SQL, Redis, Docker, Cloudinary, Git/Github, MUI, Shadcn, Tailwind CSS
- **Core Subjects:** OOPS, DBMS, Computer Architecture, Communication Networks, DSA
- **Also Studied:** Machine Learning, Deep Learning, Data Analysis

## Projects

**YouTube Clone** | *React, MongoDB, Socket.io, Zustand, Cloudinary, MUI* | 📺 [Live link](#)

- Full-stack YouTube clone with Google OAuth, supporting 10K+ uploads, 1080p playback, smart search (95% match accuracy), subscriptions, comments, likes/dislikes, full CRUD and interactions—replicating 95% of YouTube's core functionality.
- Decentralized database design scaled for 10M+ records, optimized for <100ms latency, 99.9% uptime, and 10K+ transactions/minute.
- WebSocket-based notifications delivered in under 200ms, that can handle 5K+ concurrent users with <5% memory overhead.

**Zen** | *Electron.js, React, Framer Motion, desktopCapturer API* | 🐙 [Repo Link](#)

- Focus tracking desktop app built with Electron + React, featuring real-time window monitoring and automated categorization of 90% of user activity into focus/break sessions.
- Multiplayer productivity tools such as drop-in study sessions and competitive study marathons with real-time scoring, supporting up to 50 concurrent participants.
- Advanced distraction detection using Electron's desktopCapturer API, with >95% accuracy in identifying off-focus window switches and instant alert delivery under 150 ms..

**Gupshup** | *MERN, Socket.IO, Redis, Docker, Zustand, MUI, Multer* | 📺 [Live link](#)

- Real-time 1-to-1 and group chat via **Socket.IO**, handling up to 100 concurrent chats/sec, with OTP-based email login cached in Redis (TTL: 5 mins).
- Fast file sharing (images, videos, documents) using Multer, and durable message storage in MongoDB with <50ms write latency.

**Zentra** | *Next.js, Javascript, MongoDB, React, Shadcn* | 📺 [Live link](#)

- Lightweight personal finance manager. Users can track 1000+ transactions, analyze monthly/yearly expenses by category.
- Users can set budget limits per category for smarter planning and spending control.

## Achievements

- **Pupil** on Codeforces with a peak rating of 1218, showing strong problem-solving and competitive programming skills.
- Solved over 300 DSA problems across Codeforces and LeetCode, showcasing consistency and depth in core CS fundamentals.
- Achieved an **All India Rank of 15,604** in **JEE Advanced 2023**, ranking in the top 9% out of 1.8+ lakh candidates nationwide.