

# MUSHAN KHAN

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[LinkedIn](#) [GitHub](#)



## Education

**Shri Ramdeobaba College of Engineering and Management**

*B.Tech in Computer Science and Engineering (CGPA: 9.3)*

**Nagpur, India**

*2022 – 2026*

## Technical Skills

**Programming Languages:** JavaScript, TypeScript, Python, Java, C++, C, SQL

**Frameworks & Libraries:** React.js, Next.js, Three.js, Tailwind CSS, Node.js, Express.js, Peer.js, Socket.io, Fabric.js, GSAP

**Databases:** PostgreSQL, MySQL, MongoDB

**APIs & Developer Tools:** Meta Console, Google APIs, Firebase, Supabase, Shopify, Git, GitHub, Hugging Face

**Explored:** AWS, Azure, Scikit-learn, TensorFlow, LangChain, Generative AI, Solidity, Figma, Blender.

## Experience

**Full Stack Developer Intern — Zen Study**

*Dec 2024 - Present*

- Engineered an educational platform where educators can stream and upload videos for students.
- Integrated frontend and backend into a single Next.js application, enhancing performance.
- Embedded DRM-protected Shaka Player to prevent content piracy & live class streaming with automated session storage on AWS S3.

**Full Stack Developer Intern — 33 Solutions**

*Nov 2024 - Feb 2025*

- Created a Bounty Reward Platform, driving sales for five businesses.
- Developed Azure serverless functions to process KERN Seed data for 70k+ farmers and 500+ distributors.
- Constructed a CRM dashboard for Mehek Chemicals, optimizing order and dispatch management for 1,000+ customers and 200+ employees.

## Projects

**The Last Take — Real-time Multiplayer Game**

[GitHub](#)

- Developed a real-time 5-player survival game using Socket.io and Three.js.
- Optimized WebRTC data channels and game state synchronization, reducing latency.
- Integrated Peer.js voice chat, minimizing audio lag and improving player communication.

**EduVoice — AI-based Tutor**

[GitHub](#)

- Made an AI tutor powered by Llama 3.2B, generating 100+ educational transcripts.
- Designed a PDF data extractor that identifies key topics with 85% accuracy.
- Added real-time Text-to-Speech (TTS) and video calling for collaborative tutoring sessions.

**TaxMate — AI Based Education Game**

[Github](#)

- Built a gamified tax education app for small businesses using Next.js and MongoDB.
- Used RAG with HuggingFace embeddings + Mongo Vector Search combined with Gemini 2.0 Flash for personalized, real-time tax insights.
- Designed daily interactive lessons and scoring to boost engagement and build tax-saving habits.

## Positions of Responsibility

**The CodeBreakers Club, RBU — President**

*Sep 2024 - Present*

- Led a team of 50+ members to organize 10+ tech events, each with 400+ attendees.
- Initiated and managed the institute's first hackathon, engaging 50+ teams.
- Conducted AI and Web3 sessions, attracting 150+ participants.