

MOHIT HINGORANI

+ (91) 9811033533 | mohithingorani2003@gmail.com | github.com/mohithingorani | linkedin.com/in/mohithingorani

EDUCATION

Manipal University Jaipur, <i>B.Tech in Computer Science Engineering</i> Rajasthan, India	2022 - 2026
Aadharshila Vidyapeeth, XII P.C.M Delhi, India	2021 - 2022
Aadharshila Vidyapeeth, X Delhi, India	2019 - 2020

PROJECTS

Realtime Chat Application – WebSocket-based Application

- Engineered a real-time messaging platform using **Socket.IO** and **Next.js**, reducing message latency by **40%**.
- Integrated **NextAuth** with credential and **Google providers**, boosting user authentication speed by **30%** while maintaining security.
- Designed an **Express** backend for scaling server-side operations, supporting up to **1,000 concurrent users**.

Chess Multiplayer App – Real-time Chess Game

- Developed a multiplayer chess app using **Next.js** and **Socket.IO**, enabling real-time play with **99.9%** move accuracy.
- Utilized the **chess.js** library to enforce game rules, increasing game logic consistency by **35%**.
- Enhanced user engagement by **25%** through seamless real-time interactions and instant move updates.

TechGhar – Smart Home Energy Efficiency Application

- Implemented real-time control and automation, improving energy efficiency by **20%** in smart homes.
- Built with **Next.js** and **Express.js** for a scalable and responsive solution, reducing system downtime by **15%**.
- Integrated **machine learning** to predict energy usage patterns, increasing forecasting accuracy by **50%**.
- Utilized **Chart.js** to visualize energy data, leading to a **40%** improvement in user decision-making regarding energy consumption.

TECHNICAL SKILLS

Languages	Python C C++ Git Bash LaTeX
Frontend Development	JavaScript TypeScript React Recoil Next.js 14 Tailwind CSS Material UI Framer Motion
Backend Development	Node.js Express.js Hono Web Framework Serverless Backends Autogenerated Clients
Databases	MongoDB PostgreSQL Prisma ORM Redis
DevOps	Docker Cloudflare Deployment
Additional Skills	Zod MonoRepos

ROLES AND RESPONSIBILITIES

General Secretary – IEEE Computer Society, Manipal University Jaipur

May 2024 - Present

- Executive Committee Member of the organization with **1000+ members**, driving innovation through strategic initiatives.

Executive Committee Member – MUJHackX 2.0

- Serving as an Executive Committee Member for an international premier hackathon, MUJHackX 2.0, which features a student working team of **100+** members and **1000+ participants**, hosted by the Department of CSE to promote collaboration and innovation among students.

InnovateX – E-Cell DTU

April 2024

- Secured a rank in **top 15** out of **2000+ participants** in a **national level hackathon** organized by E-Cell DTU

INTERESTS

Graphic Design Skilled in Figma, Illustrator, and design principles for web projects.

Reading Avid reader across genres for continuous learning.

Photography Macro photography enthusiast capturing detailed close-ups.