

# Md Emamudin

+91 9973427703 |  Portfolio |  LinkedIn |  GitHub |  Leetcode |  mdemamudin726@gmail.com

## SKILLS

**Programming:** C++, Typescript, JavaScript, Java(beginner)

**Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Tailwind CSS, Socket.io, Redis, Prisma

**DevOps & Tools:** AWS (EC2, S3), Docker, Git, GitHub, GitHub Actions, Vercel, Postman, VS Code

**Core CS Subjects:** Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOP, SQL

## EXPERIENCE

- Ricoz Pvt. Ltd.** Sep 2024 - Mar 2025  
Fullstack Developer Intern Remote
  - Implemented in-memory caching using **Redis**, cutting average API response time from **600ms to under 90ms**, improving performance by nearly 6x.
  - Reduced database query latency by 70% through **indexing** and **partitioning** & Used **Node.js Clustering** for vertical scaling, effectively utilizing multi-core processors.
  - Developed and deployed secure, scalable backends using **JWT authentication** and **Dockerized environments** with **rate limiting** mechanisms to prevent abuse and ensure API reliability.
  - Implemented **CI/CD pipelines** with **GitHub Actions**, automating the **build and deployment** processes.
- Dubtap Technology LLP** Jul 2024 - Sep 2024  
Frontend Developer Intern Remote
  - Crafted and deployed **30+ responsive web pages** and over **120+ reusable UI components** from **Figma designs** using **React.js** and **Tailwind CSS**.
  - Implemented advanced **state management** solutions using **Context API**, **Redux Toolkit**, and **Recoil**.
  - Enhanced code **quality** and **scalability** by implementing a **modular architecture**, reducing development time by almost 30% and bugs by 15% during code reviews.

## PROJECTS

- CodeTogether - Realtime Collaborative Code Editor** [Live](#) [GitHub](#) Dec 2024 - Feb 2025
  - Developed a **real-time** collaborative code editor for seamless, **multi-user** coding sessions.
  - Enabled real-time, multi-user editing with **Socket.io**, supporting instant updates and **syntax highlighting**.
  - Built with **Docker** for environment consistency, **Redis for caching**, and MongoDB for storage.
  - Technology Used:** *React.js, Node.js, Express.js, Redis, Docker, Socket.io, CodeMirror, MongoDB*
- ChatX - Realtime chatApp** [Live](#) [GitHub](#) Nov 2024 - Dec 2024
  - Developed a chat app with real-time messaging, group chats, and image uploads using **Cloudinary**.
  - Integrated **Socket.io** for real-time chat updates and deletion, boosting message delivery speed by approx 40%.
  - Enabled credential login and social login (OAuth) with Google and GitHub using **NextAuth**, increasing sign-up conversions upto 25%.
  - Technology Used:** *Next.js, Typescript, Tailwind CSS, Prisma, Socket.io, NextAuth, PostgreSQL*
- HomeConnect - Property Listing Platform** [Live](#) [GitHub](#) Sep 2024 - Nov 2024
  - Engineered a Real Estate platform using MERN Stack, enabling users to create, view, and manage property listings with a responsive UI styled with **Tailwind CSS**.
  - Designed and implemented **RESTful APIs**, integrated search and filtering features, and facilitated user-landlord communication via email.
  - Integrated **Redux Toolkit** for state management improving code maintainability by almost 50% and reducing development time by approximately 30%
  - Technology Used:** *React.js, Express.js, Node.js, redis, Mongoose, Tailwind Css, MongoDB*

## EDUCATION

**Mittal Institute Of Technology, Bhopal**  
B.Tech in Computer Science & Engineering

2021 - 2025  
**CGPA: 7.70** (Current)

## ACHIEVEMENTS

- 2nd Position:** CodeQuest Coding Contest, 2024
- Solved **500+** Problems on Leetcode & GFG. [↗](#)