

Md Emamudin

+91 9973427703 |  [Portfolio](#) |  [LinkedIn](#) |  [GitHub](#) |  [Leetcode](#) |  mdemamudin726@gmail.com







EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech, Computer Science Engineering	Mittal Institute of Technology, Bhopal	7.64 (Current)	2021-25
12th Standard	CBSE Board	79%	2021
10th Standard	CBSE Board	87%	2019

EXPERIENCE

- **Ricoz Pvt. Ltd.** Sep 2024 - Present
Remote
Fullstack Developer Intern
 - **Position:** Full Stack Developer Intern, working directly with the **CEO** and development team to design and optimize both front-end and back-end applications, seamlessly integrating both.
 - Enhanced MERN app response time by **40%** using Axios.js, Express.js and Context API with in-memory caching.
 - Reduced database query latency by **70%** through **indexing**, sharding, and partitioning in a distributed storage.
 - Crafted **110+** UI components in React based on Figma designs, optimizing application performance and ensuring responsiveness across desktop and mobile platforms.

PROJECTS

- **CodeTogether - Realtime Collaborative Code Editor**  [Live](#)  [GitHub](#) Dec 2024 - Present
 - Developed a **real-time** collaborative code editor for seamless, **multi-user** coding sessions in **distributed environments**.
 - Enabled real-time, multi-user editing with **Socket.io**, supporting instant updates, **CRDTs**, and **syntax highlighting**.
 - Built with **Docker** for environment consistency, Redis for caching, and MongoDB for scalable, distributed storage.
 - **Technology Used:** React.js, Node.js, Express.js, Redis, Docker, Socket.io, CodeMirror, MongoDB
- **HostIt - Web Deployment Service**  [Live](#)  [GitHub](#) Nov 2024 - Dec 2024
 - Designed a **cloud deployment service** with **Docker-based isolation**, reverse proxy using Nginx, and **Git-based deployment**.
 - Architected a Node.js backend with Docker, Redis caching, **AWS S3 for storage**, and clickHouse for log storage.
 - Implemented **Redis Pub/Sub** and **Socket.io** to manage real-time build logs and deployment requests.
 - **Technology Used:** NodeJs, Redis, AWS, Docker, Socket.io
- **HomeConnect - Sell or Rent Houses**  [Live](#)  [GitHub](#) Aug 2024 - Sep 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

SKILLS

Languages: C/C++, Typescript, JavaScript

Frameworks: Next.js, React.js, Node.js, Express.js, Bootstrap, Tailwind Css, Mongoose, MongoDB Atlas

Developer Tools: Git, GitHub, VS Code, Docker, Figma, Postman

Subjects: Data Structures, Operating System, Object Oriented Programming, Database Management System, Computer Network, SQL

Soft Skills: Versatility, Teamwork, Decision Making, Problem Solving, Communication, Adaptability

ACHIEVEMENTS

- **2nd Position:** CodeQuest Coding Contest, 2024
- Solved **450+** Problems on Leetcode