

Mohammad Emamudin

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech, Computer Science Engineering	Mittal Institute of Technology, Bhopal	7.70 (Current)	2021-25
12th Standard	CBSE Board	79%	2021
10th Standard	CBSE Board	87%	2019

EXPERIENCE

- **Ricoz Pvt. Ltd.** Sep 2024 - Feb 2025
Fullstack Developer Intern Remote
 - **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.
 - Developed a fault-tolerant, agile solution with **JWT** auth and resilient backend architecture under **tight deadlines**.
- **Dubtap Technology LLP** Jul 2024 - Sep 2024
Frontend Developer Intern Remote
 - Crafted and deployed **20+** responsive web pages & **110+** UI components based on **Figma** designs using React.js and Tailwind CSS, enhancing user engagement across mobile and desktop devices.
 - Improved code maintainability and reusability by implementing modular components, decreasing development time by almost 30% and reducing bugs by 15% during team code reviews.

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:** *Node.js, Express.js, 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

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

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Tailwind Css, MongoDB, PostgreSQL, AWS, CI/CD

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

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

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

ACHIEVEMENTS

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