

AANSH MALHOTRA

Amritsar, Punjab

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SUMMARY

Computer Science undergraduate with strong MERN stack skills and building a solid foundation in software development, DSA, and database systems. Built scalable web apps, and real-time systems. Seeking an internship to apply full-stack expertise and grow in a product driven environment.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript
Web Technologies: HTML5, CSS3, REST APIs
Frameworks & Libraries: React.js, Zustand, Redux Toolkit, Node.js, Express.js
Databases & Caching: MongoDB, MySQL, Redis
Version Control: Git, GitHub

EXPERIENCE

Open Source Contributor **July 2025 – October 2025**

GirlScript Summer of Code *(Remote)*

- Top contributor to **BuildOnCoffee** project, an open-source platform for discovering developer tools, learning resources, and project galleries, implementing **Certificates route, Projects Gallery route, and GitHub Contributors API integration**.
- Enhanced **UI/UX across multiple pages** using React.js, JavaScript, and Tailwind CSS, ensuring a polished and responsive interface.
- **Successfully merged 39 pull requests**, contributing to core features, bug fixes, and overall project improvements.

PROJECTS

Chatify – Real Time Scalable Chat Application | [GitHub](#) | [Live](#) **January 2026**

- Developed a **production ready real time chat application** using the **MERN stack** with **Socket.IO** for instant messaging, and online presence, following a **scalability ready backend architecture**.
- Implemented **backend performance optimizations** including **cursor-based pagination, MongoDB indexing, and Redis-based rate limiting** to ensure **high throughput, low latency**, and protection against API abuse.
- **Tech Stack:** MongoDB, Express.js, React.js, Node.js, Socket.IO, Redis, Zustand, JWT, Tailwind CSS

DigiQ – Digital Queue Management System | [GitHub](#) | [Live](#) **October 2025**

- Built a **smart queue management platform** where organizations (hospitals, banks, clinics) can register, create services, and manage queues digitally, reducing crowding and wait-time frustration.
- Implemented secure **OTP login** using Twilio, users can get in queue (through website) or scan a QR code (offline), verify their number, join a queue, and see their live position on their phone in real-time.
- **Tech Stack:** MongoDB, Express.js, React.js, Node.js, Context API, JWT, Tailwind CSS

ResQForce – Emergency Management Platform | [GitHub](#) | [Live](#) **June 2025**

- Developed a **emergency reporting system** with a live map interface using Leaflet.js, allowing location-based tracking and visualization of reported incidents during testing.
- Designed secure login and role-based dashboards for agencies and **NDRF command units**.
- **Tech Stack:** Flask, MySQL, Leaflet.js, HTML, CSS, JavaScript, flask-mysqldb, Flask-CORS

EDUCATION

Guru Nanak Dev University, Amritsar **2024 – 2028**
B.Tech - Computer Science and Engineering - CGPA - 7.55 *Amritsar, Punjab*