





# Manan Joshi

Pathankot, Punjab

Portfolio Website

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 [GeeksforGeeks](#)  [CodeChef](#)

## EDUCATION

**Dr. B.R. National Institute of Technology , Jalandhar**

**2023 - Current**

*B.Tech - Information Technology - CGPA - 8.30*

*Jalandhar , Punjab*

**M.D.K Arya Senior Secondary Public School**

**2021 - 2023**

*CBSE , Senior Secondary Education - Percentage - 90*

*Pathankot , Punjab*

## EXPERIENCE

**C++ Programming Intern | CodeAlpha (Remote)**

**May 2025 - May 2025**

- **Accelerated adoption of 4 C++** projects including a secure banking system, and reusable login module used across **3+ apps** — **enhancing OOP reusability** and **boosting modular integration by 40%**.
- Built a file-based login system managing **100+ users with 95%** input validation and clean data handling.
- Engineered a secure, modular Banking System with transactions and record tracking for **100+ users**.
- Refined modular codebase in a remote setup, **cutting development errors by 25%** via early-stage bug tracking.

## PROJECTS

**Talk-A-Tive : Real-Time Chat App (MERN, Socket.io)** 

**Apr 2025**

- **Introduced a robust real-time** chat platform (MERN & Socket.io) with secure auth, 1-1 & group messaging, typing indicators, and live search — **boosting user interaction speed by 50%** and enhancing communication experience.
- Devised a robust JWT-based auth system, strengthening access control and **eliminating 90% of unauthorized access**.
- **Crafted a responsive, sleek UI** with React.js & Tailwind CSS, enhancing mobile retention by **35%**.
- Integrated smart group controls and profile views, **reducing chat setup time by 40%**.

**Tech Stack :** React.js, Node.js, Express.js, MongoDB, Socket.io, Tailwind CSS, JWT

**MindEase : Mental Health Companion (MERN)** 

**Dec 2024**

- **Developed a real-time mental health chatbot** using NLP and sentiment analysis, enabling empathetic conversations, reducing anxiety reports by **25%**, and boosting **DAUs by 15% in 3 months**.
- Spearheaded a real-time chatbot using React.js and WebSockets, **boosting user engagement by 30%**.
- Implemented secure authentication via JWT & Node.js, ensuring **100% data privacy** with encrypted sessions.
- Assembled an AI-driven mental health resource hub, **boosting user retention by 20%** through tailored suggestions.

**Tech Stack :** MongoDB, Express.js, React.js, Node.js, JWT, Socket.io, Tailwind CSS

## TECHNICAL SKILLS

- **Languages :** C, C++, HTML, CSS, JavaScript, Python, SQL
- **Frameworks & Libraries :** Node.js, Express.js, React.js, Next.js, WebSockets, Tailwind CSS, ShadCN
- **Tools :** Git/GitHub, Figma, VS Code, Postman, REST API, JWT Authentication
- **Databases :** MongoDB, MySQL, Firebase, PostgreSQL
- **Relevant Coursework :** DSA, DBMS, Object Oriented Programming (OOP), Computer Networks, Operating Systems

## ACHIEVEMENTS

- **CodeHunt 2024 Winner** – Achieved **1st place** among **100+** CS students through optimal C++ algorithm implementation.
- **Code Relay 2025 Winner** – Delivered optimal solutions across algorithms and web development, **outperforming 50+** developers.
- **Academics** – Ranked in **top 10%** for consistent performance in computer science fundamentals and algorithmic thinking.
- **LeetCode** – Solved **1000+ problems** on LeetCode, ranked **122 globally** in a weekly contest, attained **Knight (1900+)** rating.
- **Codeforces & CodeChef** – Attained **Specialist** rating on Codeforces (**1450+**) and **3★** rating on CodeChef (**1700+**).
- **GFG** – Tackled **400+ GFG problems**, deepening expertise in data structures and optimizations.

## CLUB INVOLVEMENTS

- Led peer mentorship at **GDGC NITJ**, conducting CP workshops and improving team success rate by **30%**.
- Revamped **CyberNauts'** outreach via social campaigns and workshops, boosting campus turnout by **40%**.