

# 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%.