Manan Joshi

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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*

TECHNICAL SKILLS

- **Languages :** C++, C, Python, JavaScript, SQL, HTML/CSS
- **Libraries/Frameworks :** React.js, Node.js, Express.js, Next.js, Tailwind CSS, Mongoose
- **Tools :** Git/GitHub, VS Code, Postman, MongoDB Compass, REST API, Figma, JWT Authentication, Socket.io
- **Coursework :** Data Structures & Algorithms, OOP, DBMS, OS, Computer Networks

EXPERIENCE

C++ Programming Intern | *CodeAlpha (Remote)*   **May 2025 - May 2025**

- **Accelerated the delivery of 4** C++ projects by abstracting complex logic into **reusable OOP classes**, reducing code redundancy by **40%**.
- **Programmed** a file-based authentication mechanism for **100+ users,** utilizing Regex for strict input validation to prevent data corruption.
- 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**

- **Architected** a full-stack messaging platform using Socket.io, **acheiving sub-100ms latency** for real-time-bi-directional communication.
- **Fortified** API endpoints by integrating JWT (JSON Web Tokens) and Bcrypt hashing, securing **100%** of user routes against unauthorized access.
- **Crafted a responsive, sleek UI** with React.js & Tailwind CSS, enhancing mobile retention by **35%**.
- Deployed granular chat controls and dynamic profile management, significantly **reducing the time-to-interact** for new users.

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

MindEase : Mental Health Companion (MERN) 🔗   **Dec 2024**

- **Constructed** an AI-driven conversational interface capable of **parsing natural language inputs** to deliver context-aware mental health resources.
- 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.
- **Curated** an intelligent resource aggregation system that filters recommendations based on user sentiment analysis scores.

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

ACHIEVEMENTS

- **Flipkart GRID 7.0 Semi-Finalist –** Emerged as a **top-tier performer** among thousands of participants **nationwide** in the Software Development Track.
- **LeetCode –** Solved **1400+ problems** on LeetCode, ranked **122 globally** in a weekly contest, attained **Knight** (2050+) rating.
- **Codeforces & CodeChef –** Secured **Specialist** rating on Codeforces (**1400+**) and **4★** rating on CodeChef (**1800+**).
- **GFG –** Tackled **800+ GFG problems**, deepening expertise in data structures and optimizations.
- **Code Relay 2025 Winner –** Delivered optimal solutions across algorithms and web development, **outperforming 50+** developers.
- **CodeHunt 2024 Winner –** Achieved **1st place** among **100+** CS students through optimal C++ algorithm implementation.