Manav Nathani

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Education

VIT Bhopal University   Bhopal, Madhya Pradesh
BTech   Expected May 2026
Major in Computer Science; Minors in Cyber Security and Digital Forensics
Cumulative GPA: 8.2/10

12th Standard
Kakubhai Parikh School   Gandhidham, Gujarat
                                                                                                    Jul 2022

10th Standard
Kakubhai Parikh School   Gandhidham, Gujarat
                                                                                                  May 2020

Projects

Chattune
- Engineered a Python-based analyzer to extract detailed insights from exported WhatsApp chat files, automating manual review and reducing analysis time by over 50%
- Generated interactive statistical reports including total messages, word count, media and link sharing, and emoji usage, improving communication pattern analysis across personal and group conversations
- Built timeline and activity heatmaps (monthly/daily/user-based) to identify high engagement periods, enabling data-driven behavior insights and visualization

QuickChat
- Developed a full-stack real-time chat application using the MERN stack and Socket.io, enabling instant message delivery with minimal latency and effortless communication
- Implemented user authentication and authorization with JWT, ensuring secure login, session handling, and protected routes.
- Built restful APIs with Express and MongoDB, handling user management, chat creation, and message storage
- Built chatroom system with user typing status, unread message tracking, and active session detection

Technical Skills & Knowledge

Programming languages
- Proficient in C++ and Python; working knowledge of Java (syntax, OOP concepts)
- Developing a structured approach to problem decomposition and edge case handling, improving logical thinking and debugging skills

Web Development
- Frontend: Strong grasp of HTML, CSS, Tailwind CSS, React.js, Next.js
- Backend: Hands-on with Node.js, Express.js, RESTful APIs, basic MongoDB and Firebase integration

Cyber security
- Understanding of OWASP Top 10, common vulnerabilities (e.g., XSS, SQLi), and basic network security concepts
- Familiar with Kali Linux tools, Wireshark basics, and password cracking using tools like John the Ripper

Certifications

Cyber Security Analyst (by IBM)   April,2025
MERN Full Stack Program (by Ethnus)   April,2025
The Bits and Bytes of Computer Networking (by Coursera)   Dec,2023