

Pranjal Tiwari

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SUMMARY

Computer Science engineering student with expertise in full-stack development, real-time systems, and secure web applications. Skilled in React.js, Next.js, Node.js, and MongoDB, with practical experience in designing scalable and collaborative platforms. Demonstrated technical leadership and teamwork through academic projects, internships, and extracurricular engagements.

TECHNICAL SKILLS

Next.js, React.js, Redux, React Query, Tailwind CSS, CSS, Node.js, Express, MongoDB, SQL, C++, JavaScript, RESTful APIs, Git/GitHub, WebSockets

PROJECTS

- 2D Metaverse** | React.js, Node.js, Socket.io, WebRTC, Redis, Phaser.js *Mar 2025*
- Built a 2D web application enabling users to interact in real time via video, audio, and chat across virtual rooms.
 - Implemented Socket.io and WebRTC for seamless real-time communication.
 - Used Redis and JWT for session management and secure authentication.
- Real-Time Collaborative Code Editor** | React.js, Node.js, Socket.io, CodeMirror *Apr 2025*
- Developed a browser-based editor supporting real-time collaboration among users.
 - Leveraged WebSockets to enable smooth synchronization across sessions.
 - Integrated CodeMirror for syntax highlighting in multiple programming languages.
- Social Media Full Stack App** | MERN Stack *June 2025*
- Designed a full-stack platform supporting posts, comments, and likes.
 - Implemented REST APIs and JWT authentication for secure user access.
 - Enabled media uploads and retrieval with optimized content handling.

INTERNSHIPS

- Summer Intern, SHUNNAYA** | Bhopal *May 2024 – Sep 2024*
- Worked with SHUNNAYA, a company specializing in website development and cybersecurity solutions.
 - Assisted in frontend development, focusing on building responsive and user-friendly web interfaces.
 - Improved website performance and enhanced user experience through efficient frontend solutions.

EXTRA-CURRICULAR

- **Vice President, NULL VIT Bhopal Student Chapter**
- Led cybersecurity initiatives, organizing SECVIT'24 CTF with 300+ participants and 2 workshops.
- **Event Coordinator**
- Organized and led 5+ technical and non-technical events during Advitya, the college's flagship annual fest, engaging 700+ students.
- **Sports Coordinator & University Cricket Team Captain**
- Captained the university cricket team in 4 tournaments, winning 2 championships including Aaramabh'22 and Advitya'24.

EDUCATION

VIT Bhopal University <i>Bachelor of Engineering in Computer Science – CGPA: 8.73</i>	Bhopal, India <i>July 2022 – Present</i>
Jagran Public School (CBSE) <i>Senior Secondary (12th) – 85.6%</i>	Lucknow, India <i>March 2021</i>
Jagran Public School (CBSE) <i>High School (10th) – 94%</i>	Lucknow, India <i>March 2019</i>