ANMOL SINGH

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EDUCATION

VIT Bhopal University   **2022 − 2026**
B.Tech - Computer Science and Engineering - CGPA: 7.5   *Sehore, Madhya Pradesh*

CBG Inter College (UP Board)   **2022**
Class 12th - Science Stream - Percentage: 67.0%   *Hardoi, Uttar Pradesh*

Shakun Vidyan Niketan (CBSE Board)   **2020**
Class 10th - Percentage: 88.5%   *Naini, Prayagraj*

EXPERIENCE

Venturloop — React.js, TailwindCSS, React Router, React Query   *May 2025 – June 2025*
Software Engineering Intern   *Remote*

- Built and maintained **over 8 admin dashboard pages** using React.js with persistent layouts, TailwindCSS design, and advanced routing functionality using React Router
- Integrated **over 10 reusable components** (Table, Modal, FullProfileView) for CRUD operations on user data
- Implemented data fetching and caching with **React Query** and Axios, improving API efficiency by **30%**
- Developed features for banner uploads and Founder Pass pricing updates using dynamic UI components

PROJECTS

Messenger ↗ | React.js, Node.js, Express.js, MongoDB, Socket.io

- Developed a **real-time chat application** using MERN stack and Socket.io for seamless user communication
- Implemented **JWT authentication** with bcrypt hashing, ensuring 100% encrypted passwords and secure session management
- Integrated **Zustand** for global state management, optimizing performance and reducing re-renders by **40%**
- Streamlined client-server interactions, reducing debugging time by **20%** and improving real-time sync by **30%**

3D Portfolio ↗ | React Three Fiber, Drei, Vercel, GitHub CI/CD

- Engineered a **3D interactive portfolio** with React Three Fiber (Three.js), increasing user engagement by **40%**
- Integrated responsive 3D models, lighting effects, and orbit controls for enhanced user experience
- Optimized load time by **35%** via lazy loading, suspense fallback, and low-poly asset optimization
- Deployed via Render with GitHub CI/CD pipeline, ensuring fast and reliable updates

SKILLS

Technical Skills: C++, HTML, CSS, JavaScript, React, Node.js, SQL, TypeScript, Git/GitHub, Java, Python
Technologies/Frameworks: MongoDB, Express.js, React, Node.js, HTML, CSS, Next.js
Developer Tools: Jupyter Notebook/Lab, VS Code
Soft Skills: Complex Problem Analysis, Strategic Decision Making, Effective Communication, Leadership

Other Notable Works/Achievements

- **Certification:** Complete Web Development Bootcamp by Angela Yu (Udemy) ↗
- **Certification:** Completed 12 week Cloud Computing course (NPTEL) ↗
- **Problems Solved:** Solved **500+** problems including platforms like GeeksforGeeks and CodeChef
- **Hackathons:** Cleared 1st round of Smart India Hackathon (SIH) ↗
- Strong foundation in **Data Structures and Algorithms**, **Problem Solving**, and **System Design**