

Ansh Lachhwani

Bhopal, India 462044 • (+91) 7678073757 • anshlachhwani27@gmail.com • linkedin • Github

Education

- **Vellore Institute of Technology, Bhopal** *Expected Aug 2027*
Bachelor of Technology in Computer Science GPA: **8.73/10.0**
 - **Delhi Public School, Hyderabad** *Apr 2022*
Class XII (CBSE) Percentage: **92%**
– **Computer Science School Topper.**
 - **R.N. Podar School, Mumbai** *Mar 2020*
Class X (CBSE) Percentage: **95%**
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Projects

- **Campus Connect** | [Live](#) | *Next.js, Socket.IO, AWS EC2* *August 2025 - October 2025*
 - Developed an exclusive random video chat platform (Omegle clone) for VIT Bhopal, achieving **700+ signups** and **350+ active users**.
 - Architected a real-time signaling backend using **Express.js** and **Socket.IO**, deployed on **Render** for high availability.
 - Configured a custom **TURN server** on **AWS EC2** to enable reliable WebRTC peer-to-peer streaming across restricted networks.
 - Deployed a high-performance frontend on **Vercel** using **Next.js**, optimizing for low-latency user interactions.
 - **Anatomy AR** | *Unity, C#, Vuforia* *Feb 2025 - Mar 2025*
 - Developed an immersive **Android AR application** in **Unity** leveraging **Vuforia** to visualize complex biological structures.
 - Integrated marker-based tracking to superimpose high-fidelity **3D anatomical models** onto physical markers with sub-millimeter accuracy.
 - Optimized rendering pipeline to maintain a consistent **60 FPS** on mid-range Android devices, ensuring accessibility.
 - Distributed the APK for beta testing, facilitating interactive hands-on learning for medical aspirants.
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Technical Skills

Languages: JavaScript (ES6+), TypeScript, C++, SQL, HTML5, CSS3

Frontend: Next.js, React.js, Tailwind CSS, Redux, Responsive Design

Backend: Node.js, Express.js, Socket.IO, REST APIs, WebSockets

Databases: MongoDB, PostgreSQL

DevOps & Tools: AWS (EC2), Git, GitHub, Docker, Vercel, Render, Postman, Linux

Certifications & Awards

1st Position, TechAstra Hackathon iOS Club, VIT Bhopal	2023
CS50 Introduction to Computer Science Harvard University	2023
Hadoop Certification	2023

Leadership & Extracurriculars

Anchor & Host Advitya (Central India's Largest Fest)	2023 – 2024
Hosted major events for 1000+ audience .	
Winner of multiple debate & elocution competitions.	