

Ansh Lachhwani

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Education

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

Projects

• Campus Connect <i>Live</i> <code>Next.js, Socket.IO, AWS EC2</code>	<i>August 2025 - October 2025</i>
– 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 <i>Unity, C#, Vuforia</i>	<i>Feb 2025 - Mar 2025</i>
– 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.	

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) Hosted major events for 1000+ audience. Winner of multiple debate & elocution competitions.	2023 – 2024
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