

Vanshika Tyagi

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Education

Bachelor of Technology in Computer Science

2022 – 2026

VIT Bhopal University, Bhopal, India

CGPA: 8.08/10.0

Relevant Coursework: Information Retrieval, Operating Systems, Artificial Intelligence, Computer Graphics, Unix Tools and Scripting

Senior Secondary Education

2022

CH. Chhabil Dass Public School, Ghaziabad, India

CGPA: 8.6/10.0

Technical Skills

Programming Languages: Java, Python, JavaScript

Development: Full Stack Development, Database Management, WebRTC, REST APIs

Tools & Technologies: Git, Cloud Computing, Data Structures & Algorithms

Technical Projects

VideoSync | Full Stack Developer

- Engineered a WebRTC-based video conferencing platform serving 100+ concurrent users with 99.9% uptime
- Optimized video latency by 40% through implementation of WebRTC protocols
- Developed real-time chat features processing 1000+ messages per minute
- Achieved a 25% reduction in initial loading time through code optimization
- Architected secure user authentication system handling 500+ daily active users

QuickBoarder | Frontend Developer

- Spearheaded development of an e-commerce catalog platform for small business owners
- Designed scalable database architecture supporting 10,000+ product listings
- Streamlined new business onboarding time by 60% through automated catalog creation
- Generated 95% positive user feedback from initial beta testing with 50 business owners
- Created responsive design ensuring <2 second load times across all devices

Professional Certifications

- The Bits and Bytes of Computer Networking (Coursera) - Completed with 95% score
- Python Essential Training (Vityarthi) - Advanced level certification
- Cloud Computing Fundamentals (NPTEL) - Top 5% of participants