

# Arpit Gupta

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#)

## Education

VIT Bhopal University	Bhopal, Madhya Pradesh
BTech in Computer Science Engineering	Cumulative GPA: 8.49/10
<b>12<sup>th</sup> Standard</b>	
DL Dav Model School	Delhi
CBSE	Jul 2022
Percentage: 84.9/100	
<b>10<sup>th</sup> Standard</b>	
DL DAV Model School	Delhi
CBSE	Jul 2020
Percentage: 89.4/100	

## Projects

### [Coding Interview Platform](#)

- Developed a full-stack remote coding interview platform using Next.js, TypeScript, and Tailwind CSS, enabling real-time video interviews, screen sharing, and session recording for interviewers and candidates.
- Integrated secure authentication and role-based access control using Clerk, and implemented real-time video communication via Stream API, ensuring scalable and interactive interview sessions.
- Designed a modular and responsive architecture with efficient state management using Convex, improving performance, maintainability, and production readiness.

### **Chest X-Ray Medical Diagnosis Using Deep Learning**

- Built a deep learning-based medical diagnosis system using PyTorch and OpenCV to classify chest X-ray images for automated disease detection.
- Applied advanced image preprocessing and transfer learning by fine-tuning ResNet-18, improving model generalization on limited medical datasets.
- Optimized model performance using Cross-Entropy Loss and Adam optimizer, focusing on accuracy and robustness for multi-class classification.

## Certification

<b>Oracle Certified Java Foundations Associate</b>	Apr 2025 – July 2025
• Validated foundational proficiency in core Java programming concepts, including Object-Oriented Programming (OOP) principles, data structures, and control flow.	
• Demonstrated understanding of Java syntax, basic application development, and error handling, essential for entry-level software development roles.	

### **IBM Certified Cyber Security Analyst**

Apr 2025 – June 2025

- Certified in comprehensive cybersecurity analysis methodologies, covering threat intelligence, vulnerability management, and risk assessment.
- Gained practical knowledge in security operations, incident response, and SIEM tool concepts, relevant for defending against modern cyber threats.

### **The Bits and Bytes of Computer Networking**

Sep 2024 – Nov 2024

- Acquired foundational knowledge in computer networking principles, including TCP/IP, DNS, routing, and common networking protocols.
- Developed understanding of network infrastructure, troubleshooting techniques, and network services, essential for IT support and system administration roles.

## ADDITIONAL

**Technical Skills:** Python, Java, HTML, CSS, JavaScript, SQL

**Languages:** Hindi, English; Basics of Spanish