

# Vaibhav Sharma

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## Education

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<a href="#">Indraprastha Engineering College</a> B.Tech in Computer Science and Engineering	2023 – 2027 Ghaziabad, India
<a href="#">Laxmi Public School</a> Class XII (CBSE) – Physics, Chemistry, Mathematics	2022 – 2023 Delhi, India

## Technical Skills

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Languages: Python, Java, C++, JavaScript, SQL  
Frameworks: Flutter, React.js, Flask, Firebase, Supabase  
AI/ML: TensorFlow, MediaPipe, YOLO, Random Forest, Computer Vision  
Tools: Git, GitHub, Cisco Packet Tracer  
Core CS: Data Structures, Algorithms, OOP, Networking, Cyber Security

## Experience

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Software Engineer Intern <a href="#">Deecogs</a>	Sept 2025 – Nov 2025 Remote
<ul style="list-style-type: none"><li>– Achieved 92%+ inference accuracy in real-time sign language recognition by engineering a robust pipeline with MediaPipe and Random Forest.</li><li>– Improved Intersection over Union (IoU) scores by 18% by training and fine-tuning medical image segmentation models using TensorFlow on the Kvasir-SEG dataset.</li><li>– Reduced CCTV theft detection latency by 35% by optimizing the YOLO object detection inference pipeline, directly improving real-time threat response and automated monitoring.</li></ul>	
Cisco Networking Internship Trainee <a href="#">Cisco Academy</a>	May 2024 – Jul 2024 Remote
<ul style="list-style-type: none"><li>– Architected a scalable network simulation in Cisco Packet Tracer, segmenting 5 isolated VLANs across 15+ devices (100+ users), and improved inter-VLAN throughput by 20%.</li><li>– Minimized attack surface exposure by 30% through strategic deployment of access control lists (ACLs) and comprehensive vulnerability analyses.</li></ul>	

## Projects

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<a href="#">CargoGuardian</a>   Flutter, Firebase, IoT, Blynk	Hack Heist 2025
<ul style="list-style-type: none"><li>– Engineered a cargo monitoring system with seamless IoT integration to track real-time weight and GPS metrics across railway networks.</li><li>– Reduced manual verification time by 40% by architecting an automated RFID-based clearance workflow.</li><li>– Led development and presented the technical architecture to a panel of 5 industry judges, showcasing real-time tracking capabilities.</li></ul>	
<a href="#">LifeBeat</a>   TensorFlow Lite, Kotlin, Firebase	HackStreet 2024
<ul style="list-style-type: none"><li>– Achieved 89% classification accuracy in lung cancer detection by building a mobile-optimized, on-device AI application.</li><li>– Reduced mobile prediction time by 30% by optimizing TensorFlow Lite inference pipelines for edge deployment.</li></ul>	
<a href="#">KrishiDoot</a>   React.js, Flask, ML	
<ul style="list-style-type: none"><li>– Delivered actionable agricultural insights by developing an ML-driven crop recommendation system utilizing soil and weather data.</li><li>– Increased recommendation accuracy and relevance by 25% over baseline rule-based models through advanced machine learning.</li></ul>	

## Achievements

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- **2nd Runner-Up** — [Hack Heist 2025](#) among 50+ participating teams.
- **2nd Runner-Up** — [HackStreet 2024](#) (AI Healthcare Application).