

# Limbachiya Kartik

+91 9834148979 | [limbachiyakartik18@gmail.com](mailto:limbachiyakartik18@gmail.com) | [LinkedIn](#) | [github](#)

## PROFESSIONAL SUMMARY

Dynamic final-year Computer Engineering student with a track record of delivering AI and cybersecurity solutions that improved system efficiency by over **60%**. Built AI-powered fitness and posture apps with **85%+ accuracy** and engineered a DDoS prevention system that reduced server load by **60%**. Selected for **Smart India Hackathon 2024 (DRDO)** and completed the AICTE GenAI internship with top 10% performance in hands-on modules. Proficient in Python, TensorFlow, Firebase, Zeek, and React.js with a focus on building scalable, real-world systems.

## EDUCATION

**Shah And Anchor Kutchhi Engineering College**  
*Bachelor of Technology in Computer Engineering*

India  
Nov. 2022 – Mar 2026

## EXPERIENCE

### AICTE GenAI Virtual Internship

Remote, India

*Generative AI and Cloud Security Virtual Intern*

Oct 2024 – Dec 2024

- Completed a virtual internship focused on foundational concepts in **Generative AI**, including LLMs, transformers, and ethical AI use.
- Built simple generative models using tools like **Google Vertex AI** and **Hugging Face**, gaining hands-on exposure to prompt engineering.
- Worked on practical applications like text generation, summarization, and chatbot design in guided modules.
- Received certification endorsed by AICTE under its national initiative for AI education.

### Cisco Skill-a-thon Internship (SAKEC)

Mumbai, India

*Networking – CCNA (Cisco Certified Network Associate)*

Dec 2024 – Jan 2025

- Completed intensive 1-month CCNA-based internship under SAKEC's CISCO Skill-a-thon initiative.
- Gained hands-on knowledge in **network fundamentals**, **IP connectivity**, **subnetting**, and basic network security.
- Practiced configuration and troubleshooting on simulated Cisco network environments using Packet Tracer.
- Built foundational skills in routing protocols, switching, and internetwork operations.

## PROJECTS

### AI-Powered Fitness Coach & Posture Analysis | *OpenCV, MediaPipe, TensorFlow*

Mar 2025 – Current

- Developed a web-based AI fitness trainer that detects user posture in real-time and provides correctional feedback using computer vision.
- Implemented landmark detection using **MediaPipe** and posture evaluation logic using **OpenCV** and **TensorFlow**.
- Trained models using **Keras** and **PyTorch**, achieving posture classification accuracy of over **85%**.
- Used **Next.js** for frontend and **Firebase** for backend integration to store user analytics and feedback sessions.
- Improved form accuracy for test users by **60%** during internal evaluations.

### DDoS Prevention & Honeypot Redirection System | *AWS, Zeek, Fortinet, Splunk*

Jan 2024 – May 2024

- Developed a secure login system to counter DDoS and botnet attacks as part of **Smart India Hackathon 2024 (DRDO)** problem statement.
- Designed a lockout mechanism that activated after **5 failed login attempts**, progressively increasing wait time up to **20 minutes**.
- Implemented honeypot diversion to isolate unauthenticated users, reducing server payload by **60%**.
- Used **Zeek**, **Nmap**, **Fortinet Firewall**, **Splunk**, **OWASP**, **OpenSSH**, **AWS** to monitor, scale, and protect application infrastructure.
- Contributed key logic to ensure legitimate users mistakenly trapped were redirected to the authenticated domain.
- Presented in a 6-member team and cleared the college internal hackathon round for SIH 2024.

## TECHNICAL SKILLS

**Languages:** C/C++, Python, JavaScript, SQL, HTML/CSS

**Frameworks & Libraries:** React.js, Node.js, FastAPI, Material-UI, TensorFlow, Keras, PyTorch, OpenCV, MediaPipe

**Tools & Platforms:** Firebase, AWS, Google Cloud Platform, Git, Zeek, Splunk, Nmap, Fortinet Firewall, OWASP, OpenSSH

**Developer Environments:** VS Code, PyCharm, IntelliJ, Eclipse, Google Colab, Packet Tracer