

Kartik

+91 8979324724 | officialkartikdmpls@gmail.com | [Kartik](#) | [Kartik](#)

Education

KIET Group of Institutions <i>Bachelor of Technology (CGPA: 7.53)</i>	Uttar Pradesh, India <i>Sept 2024 - Jun 2028</i>
Central Board of Secondary Education (CBSE) <i>Senior Secondary Percentage: 86 %</i>	Uttar Pradesh, India <i>Apr 2023 - Jul 2024</i>
Central Board of Secondary Education (CBSE) <i>High School Percentage: 88 %</i>	Uttar Pradesh, India <i>Apr 2021 - Jul 2022</i>

Technical Skills

Languages: Python, C, SQL, Bash
Web Development: HTML/CSS, Javascript, React
Tools & Platforms: Git, GitHub, Linux, Supabase, Arduino and ESP32

Projects

Setu-AI <i>IoT Systems, HTML/CSS, React, REST APIs, Supabase</i>	Sep 2025 - Nov 2025 <i>Role: Software Developer</i>
<ul style="list-style-type: none">Developed an IoT-based structural health monitoring system using ESP32 with accelerometer, strain gauge, and MPU6050 gyroscope sensors to capture micro-vibrations and structural movementStreamed sensor data to a server-side analysis pipeline leveraging ML-based classification to assess structural stress conditions and potential risk states.Worked on the web-based monitoring dashboard, including CSS styling, user authentication, and UI components for visualizing real-time and historical sensor data.Integrated frontend views with backend APIs to display system status and analysis outputs in an accessible format for monitoring use cases.	
Captive Wi-Fi Portal Simulation <i>Embedded Systems, Networking, HTML/CSS</i>	Aug 2025 <i>Role: Embedded System Engineer</i>

3-D Blockstack
HTML/CSS, JavaScript

- Resolved a mobile interaction issue where a global `touchstart` event listener blocked user access to external links, restoring correct navigation on mobile devices.
- Refactored event-handling logic to separate UI link interactions from gameplay flow while preserving the intended game restart behavior.

Experience

Cybersecurity Intern <i>Gurugram Police</i>	June 2025
<ul style="list-style-type: none">Applied cybersecurity concepts using tools such as Burp Suite, Autopsy, VirusTotal, and FotoForensics for vulnerability analysis and basic digital forensics.Worked on CTF-style exercises simulating real-world attack scenarios, focusing on web security, OSINT, and threat identification.Collaborated on cybercrime case studies and public awareness initiatives related to phishing, online and identity fraud.	

Achievements

<ul style="list-style-type: none">Secured Runner-Up position at InnoTech'25, a team-based college-level hackathon, claiming a INR 5,000 prize for developing a structural health monitoring system focused on real-world bridge safety and early stress detection.Recognized as a Super Contributor during Hacktoberfest with 6+ accepted pull requests, gaining hands-on experience in debugging production code and contributing to real-world open-source projects.Placed 4th nationally in the team-based CRACCON'25 CTF (DefHawk) among 350+ teams, applying hands-on skills in vulnerability analysis, reverse engineering, and real-world attack scenario reasoning.	
--	--

Certifications

Cybersecurity Fundamentals <i>IBM SkillsBuild</i>	Apr 2025
---	-----------------