

# Alok Kumar Mishra

Vadodara, Gujarat, India

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## EDUCATION

<b>Indian Institute of Information Technology, Design and Manufacturing, Jabalpur</b> <i>B.Tech in Electronics and Communication Engineering</i>	Aug. 2024 – 2028 <i>Madhya Pradesh, India</i>
<b>Kendriya Vidyalaya No. 3 AFS Makarpura</b> <i>CBSE Class XII (AISSCE), Score: 96% (A1)</i>	Apr. 2022 – May 2023 <i>Vadodara, Gujarat</i>

## EXPERIENCE

<b>Security Researcher (Bug Bounty) – DigiLocker, Govt. of India</b> <i>Ministry of Electronics and IT</i>	Feb. 2025 – Apr. 2025 <i>India</i>
<ul style="list-style-type: none"><li>Reported and helped mitigate 10+ critical and high severity vulnerabilities in DigiLocker (500M+ userbase).</li><li>Performed application security testing and reverse engineering of Android components using Frida, JEB, and Radare2.</li><li>Officially acknowledged by the Government of India for responsible disclosure contributions.</li></ul>	

  

<b>Student Volunteer</b> <i>IITDM Jabalpur – TechFest AbhiKalpan</i>	Apr. 2025 <i>Jabalpur, India</i>
<ul style="list-style-type: none"><li>Assisted in planning and execution of the institute's annual technical festival.</li><li>Volunteered for the Laser Constellation event, managing logistics and participant coordination.</li></ul>	

## PROJECTS

<b>Android Protection Bypass Automation</b>   Python, Frida, JEB, RegEx, Reverse Engineering	2025
<ul style="list-style-type: none"><li>Bypassed Google Pairipcore protection during a HackerOne bug bounty engagement.</li><li>Automated encrypted string restoration inside DEX files using Python and regex.</li><li>Enhanced reverse engineering workflow using Frida dynamic instrumentation and JEB static analysis.</li></ul>	
<b>Telegram Userbot Music Player</b>   Python, Pyrogram, Telethon, FFmpeg	2024
<ul style="list-style-type: none"><li>Built and deployed a high-performance Telegram music streaming userbot on Heroku.</li><li>Handled concurrent asynchronous streaming for 100+ active users.</li></ul>	

  

<b>QuickTeams – Hackathon Team Formation Platform</b>   Web, Security, APIs	Sep. 2025
<ul style="list-style-type: none"><li>Led a team of developers in a 24-hour intra-institute hackathon involving 200+ participants.</li><li>Built a secure platform for team matching using resume filtering, skill matching, live chat, and hierarchy roles.</li><li>Implemented security measures against SQL injection, API key leaks and authentication bypass attempts.</li></ul>	

## ACHIEVEMENTS

First Position – “Can You Hack It” Intra-Institute Hackathon among 200+ students (Sep 2025).

National Hackathon Finalist – Top 20 out of 700+ teams at IIT Gandhinagar Hack To Future 2025.

JEE 2024 Rank 18,000 out of 1.5 million candidates (Top 1.2 percentile nationwide).

CBSE Certificate of Merit for scoring 100/100 in Computer Science (Top 0.1%).

Solved 100+ DSA/CP problems across competitive programming platforms.

## TECHNICAL SKILLS

**Programming:** Python, Java, Bash, Smali, HTML, MySQL, RegEx

**Cybersecurity & RE:** Reverse Engineering, Vulnerability Research, VAPT, Bug Bounty, Application Security

**Tools:** Frida, Ghidra, IDA, JEB, Radare2, Burp Suite, Metasploit, Wireshark, Nmap, Apktool

**Other:** Git, Android Studio, Linux, PowerShell, Command Prompt

## CERTIFICATIONS

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<b>Acknowledged Security Contributor – DigiLocker (Govt. of India)</b>	Apr. 2025
<i>Ministry of Electronics and IT</i>	
<b>Postman API Fundamentals Student Expert</b>	Feb. 2025
<i>Canvas Credentials (Badgr)</i>	
<b>Python (Basic)</b>	Oct. 2024
<i>HackerRank</i>	
<b>Problem Solving (Basic)</b>	Oct. 2024
<i>HackerRank</i>	