

Alok Kumar Mishra

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EDUCATION

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

EXPERIENCE

Security Researcher (Bug Bounty) – DigiLocker, Govt. of India <i>Ministry of Electronics and IT</i>	Feb. 2025 – Apr. 2025 India
<ul style="list-style-type: none">– Reported and helped mitigate 10+ critical and high severity vulnerabilities in DigiLocker (500M+ userbase).– Performed application security testing and reverse engineering of Android components using Frida, JEB, and Radare2.– Officially acknowledged by the Government of India for responsible disclosure contributions.	
Student Volunteer <i>IITDM Jabalpur – TechFest AbhiKalpan</i>	Apr. 2025 Jabalpur, India
<ul style="list-style-type: none">– Assisted in planning and execution of the institute’s annual technical festival.– Volunteered for the Laser Constellation event, managing logistics and participant coordination.	

PROJECTS

Android Protection Bypass Automation Python, Frida, JEB, RegEx, Reverse Engineering	2025
<ul style="list-style-type: none">– Bypassed Google Paircore protection during a HackerOne bug bounty engagement.– Automated encrypted string restoration inside DEX files using Python and regex.– Enhanced reverse engineering workflow using Frida dynamic instrumentation and JEB static analysis.	
Telegram Userbot Music Player Python, Pyrogram, Telethon, FFmpeg	2024
<ul style="list-style-type: none">– Built and deployed a high-performance Telegram music streaming userbot on Heroku.– Handled concurrent asynchronous streaming for 100+ active users.	
QuickTeams – Hackathon Team Formation Platform Web, Security, APIs	Sep. 2025
<ul style="list-style-type: none">– Led a team of developers in a 24-hour intra-institute hackathon involving 200+ participants.– Built a secure platform for team matching using resume filtering, skill matching, live chat, and hierarchy roles.– Implemented security measures against SQL injection, API key leaks and authentication bypass attempts.	

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

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