

# MOINAK NIYOGI

Student

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**Contact:** +91 8343938828 — Email — LinkedIn — GitHub — Portfolio

## Work Experience

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**Gurugram Police (GPCSII-2025)** (*Cyber Crime Investigator Intern, May 2025 – July 2025*)  
*Gurugram, India*

- Contributed in digital forensics, fraud investigations, and awareness initiatives using tools like FTK Imager and Cellebrite under IPC & IT Act guidance.

**Association For Cyber Security** (*Secretary & RD Lead, May 2024 - Present*)

- Led cybersecurity research and development projects, enhancing security tools and techniques.
- Managed organizational operations, conducted meetings, and facilitated community engagement.
- Organized cybersecurity awareness workshops and training programs.

**Metacrafters** (*Summer Trainee, May 2024 - July 2024*)

- Developed and deployed decentralized applications (dApps) using Solidity and Web3.js.
- Optimized blockchain transaction efficiency and implemented security measures in smart contracts.

**Albus Security** (*Cyber Security Intern, Apr 2023 - Present*)

- Conducted penetration testing, identifying security flaws such as OAuth misconfigurations, XSS, and SQLi.
- Performed network traffic analysis and simulated attack scenarios to enhance system security.

## Education

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**Chandigarh University**, Punjab (2022 - 2026)  
B.E. CSE, CGPA: 7.96/10

**DAV Public School**, Bankura, WB (2020 - 2022)  
Higher Secondary: 79.8%

**Delhi Public School**, Durgapur, WB (2010 - 2020)  
Matriculation: 95%

## Projects

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**Miss Robot** (403 Forbidden Bypass Tool) (*Python, Burp Suite, HTTP Headers*)

- Developed a tool to bypass 403 Forbidden errors using various HTTP request manipulation techniques.
- Implemented automated header injection and payload rotation to enhance efficiency.

**Desonity SDK** (DeSo Blockchain Integration for Unity) (*Unity, C#, Web APIs*)

- Created an SDK to integrate decentralized social (DeSo) blockchain functionalities in Unity applications.
- Implemented authentication, transaction signing, and NFT marketplace interactions within Unity.

**NetProbe** (Cybersecurity Network Simulation Tool) (*Linux, Networking Protocols, Shell Scripting*)

- Designed a network simulation tool to test cybersecurity vulnerabilities in real-time environments.
- Integrated packet sniffing, traffic analysis, and attack emulation functionalities.

## Technical Skills

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**Pentesting:** Sqlmap, Aircrack-ng, ffuf, Gobuster, Subfinder, Assetfinder, Metasploit, Ghidra, Burp-Suite, Maltego, theHarvester, Amass, Wireshark, Nmap, Amap

**Blockchain:** Hardhat, Remix IDE, MetaMask, Phantom Wallet, Ganache, Chainlink, Polygon, Avalanche, wagmi, web3modal

**Dev Tools:** Linux CLI, Git, Bash, AWS, Google Cloud

**Programming Languages:** Python, C++, Dart, Go, Bash, Rust, Lua, TypeScript

**Database Systems:** MySQL, Mariadb

## Certifications

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- Certified Algorand Developer – *July 2025*
- Foundation of Cloud IoT Edge ML – *Jun 2025*
- Introduction to Cyber Security by Cisco Networking Academy – *Dec 2024*
- Networking Basics And Advanced – *Dec 2024*

## Awards & Achievements

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**1st Place, Project Expo (2025)** - Developed an AI-based telerehab tool for stroke and paralyzed patients to track upper body exercises and monitor recovery progress remotely.

**2nd Place, Hack-4-Bengal 3.0 (2023)** - Developed a network simulation tool with real-time analysis.

**1st Place, GCON Vegathon, IIT Guwahati (2023)** - Built a Flight Controller using the VEGA microcontroller.

**Top 5, BFCET HACK 1.0** - Designed a comprehensive Vulnerability Assessment Framework for enterprise security.