

# Shubhradeep Paul

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Bhubaneswar, Odisha, India

## Professional Summary

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Cybersecurity enthusiast with hands-on experience in **penetration testing, SOC analysis, network security, cloud security, and digital forensics**. Strong focus on applied security through real-world projects, CTFs, and offensive security tooling. Seeking opportunities in cybersecurity research and national-level security initiatives.

## Education

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- Bachelor of Technology (B.Tech) – Electronics and Computer Science Engineering Aug 2023 – Aug 2027  
**Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar**
  - CGPA: **8.67**
  - Strong academic foundation in computer networks, operating systems, and cybersecurity fundamentals.
- Senior Secondary Education – Science 2021 – 2023  
**Don Bosco School, Guwahati**
  - Scored **93.8%** in board examinations.

## Projects

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- NetHawk2 – Network Monitoring & Analysis Tool Mar 2025  
**Skills: Python, Socket Programming, Network Security, Traffic Analysis, Nmap**
  - Developed a network monitoring tool to inspect incoming and outgoing packets.
  - Analyzed traffic patterns to identify anomalies and support threat detection.
- Command and Control (C2) Server Implementation Nov 2024 – Jan 2025  
**Skills: Metasploit, Offensive Security, Payload Development, Firewall Evasion, Virtualization (VMware), Network Monitoring**
  - Built a functional C2 infrastructure for remote command execution and payload delivery.
  - Implemented firewall evasion techniques and monitored attacker-controlled traffic.
- HTTP/HTTPS Proxy Server for Traffic Interception Jan 2025 – Feb 2025  
**Skills: Python, HTTP/HTTPS Protocols, MITM Techniques, Traffic Interception, Digital Forensics**
  - Designed a proxy server to intercept, modify, and analyze HTTP/HTTPS requests.
  - Used for MITM simulations, traffic inspection, and forensic data analysis.

## Experience

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- Technical Executive – Microsoft Learn Student Ambassadors (KIIT Chapter) Apr 2025 – Present
  - Supported cybersecurity-focused technical initiatives and student-led programs.
  - Assisted in organizing workshops, labs, and hands-on technical sessions.
- Core Developer Member – GeeksforGeeks KIIT Feb 2024 – Present
  - Actively involved in technical problem-solving and competitive programming activities.

## Certifications

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- eJPT (Junior Penetration Tester) INE: **Assessment Methodologies, Web Application Penetration Testing, Host & Networking Penetration Testing, Host & Networking Auditing**
- ICCA INE: **Cloud Identity, Security & Compliance, Cloud Management Concepts, Cloud Fundamentals (GCP, AZURE, AWS)**
- Google Cybersecurity Certificate: **SOC, Incident Response, Risk Management**
- Ethical Hacking and Penetration Testing – Cybrary: **Reconnaissance, Exploitation, Web Security**
- Cloud Computing (AWS) – Cybrary: **Cloud, IAM, Security**
- OPSWAT ICIP: **Security Hygiene, Threat Awareness, Infrastructure**

## Achievements

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- Ranked in the **Top 3% globally on TryHackMe**
- Secured **3rd position** in IIIT Bhubaneswar D3 Fest CTF
- Participated in national and international CTFs including BSides, DEADFACE, Pentathlon, and H7CTF

## Additional Information

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**Languages:** Assamese, Bengali, Hindi, English

**Interests:** Cybersecurity Research, CTFs, Offensive Security, Fitness, Programming