

Deep Gopal Saha

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EDUCATION

Indian Institute of Technology, Patna

M.Tech in Computer Science and Engineering

Patna, India

Jul. 2025 – Jul. 2027

Government College of Engineering and Leather Technology

B.Tech in Computer Science and Engineering (CGPA: 9.19)

Kolkata, India

Aug. 2021 – May 2025

EXPERIENCE

Software Intern

Capsule Labs

- Built an innovative test harness for quantitative testing of AI solutions
- Delivered efficient, PEP-compliant Python code with detailed documentation
- Collaborated within a team environment, contributing to a positive and effective workflow

Apr. 2025 – June 2025

Kolkata, India

Intern

Capsule Labs

- Wrote blogs on modern web development
- enhanced understanding of full-stack technologies

Oct. 2022 – Dec. 2022

Kolkata, India

PROJECTS

Malware Reverse Shell and APK

🔗 malware

- Developed a malware that establishes connection to my remote server
- Created an Android APK capable of initiating a reverse shell on the target device

Persistent Windows Keylogger

🔗 win_keylogger

- Developed a persistent keylogger for Windows, capable of logging user keystrokes discreetly
- Implemented persistence by modifying Windows Registry keys to maintain execution across reboots

Anonymous Real-Time Messaging App

🔗 msgAnon | 🌐 chatanon.onrender.com

- Built an anonymous 1-on-1 chat platform using **Rust**, **Axum**, **Socketoxide**, for secure, ephemeral messaging
- Enabled in-memory room-based communication without database storage, preserving user anonymity

ACHIEVEMENTS

Reported critical vulnerability in govt. site via **NCIIPC RVDP** (acknowledged)

Secured **16th** out of 200 teams in **Zero Day CTF** (by Zero Logon)

Conducted campus seminar: *“The Hacker’s Guide”*

Secured **AIR 932 (99.45 percentile)** out of 1,70,000 candidates in **GATE 2025**

POSITION OF RESPONSIBILITY

Cybersecurity Lead – GDG (Google Developer Group)

Kolkata, India

2024 – 2025

- Led cybersecurity initiatives, hands-on workshops, and awareness sessions under GDG on campus
- Collaborated with tech communities to organize events and engage 100+ students in infosec practices

TECHNICAL SKILLS

Languages: C/C++, Python, Rust, HTML/CSS

Cybersecurity: Penetration Testing, OWASP Top 10, Reverse Engineering, Bug Hunting

Learning: Data Structures & Algorithms, Full Stack Development