

Jyoti Ranjan Barik

Experience

Final Year (B.Tech)
Computer Science & Engineering
GIET University, Gunupur
CGPA: 6.85, Mob: +916371053223

MAY 2024-JUL 2024 **NIT Rourkela**

Research Intern in Cybersecurity

Developed tools for safeguarding Python applications from vulnerabilities and automated real-time vulnerability detection.

Python, Bash, Wazuh

Links

Github:// [jyoti-github](#)
LinkedIn:// [jyoti-ranjan-barik](#)
Email:// jyotirbarik26@gmail.com

Skills

OS

Linux, Windows

LANGUAGES

Python, Bash

SECURITY TOOLS

Wazuh, Ethical Hacking,
Malware Analysis

CYBERSECURITY

Network Security,
Vulnerability Analysis

Coursework

Cybersecurity Fundamentals
Ethical Hacking
Network Security
Operating Systems
Software Vulnerabilities

Education

2021-2025
B.TECH. IN CSE
GIET University, Gunupur
CGPA: 6.85

2019-2021
INTERMEDIATE
Government Higher Secondary School,
Rourkela
Marks: 536/600

2018-2019
MATRICULATION
S.S.V.M., SEC-6, Rourkela
Marks: 529/600

Projects

2024 Malware Identification Sharing Platform

Python, Bash

Developed a dashboard for static-level vulnerability identification using Wazuh agents, enabling enhanced threat detection and compliance.

2024 Software Vulnerabilities in Open Source Python Program

Python,

AST, CFG

Designed a tool that analyzes an open-source Python program for vulnerabilities using Abstract Syntax Trees (AST) and Control Flow Graphs (CFG), providing insights into potential security flaws.

2024 Smart Agriculture Monitoring Network

Python, IoT, Embedded

Systems

Headed the design of the SAMIN Pole for Smart Agriculture Monitoring Network in the Smart India Hackathon 2024. The system monitors soil conditions, weather, and crop health to optimize farming practices.

Achievements

2025 **Robo War Winner**

Winner at GIET University Techfest

2025 **Line Follower Competition**

Secured 2nd Place

2025 **Droid Blitz Amphibious Robo Competition** Finalist at Kshitij 2025, IIT Kharagpur

2025 **TCS HackQuest Season 9**

Participated and Solved 7 Flags

2025 **Smart India Hackathon 2025**

Internal Finalist

2024 **NCIIPC Pentathlon 2024**

Secured Top 350 (AICTE CTF)

2023 **Smart India Hackathon 2023**

Internal Winner

Hobbies

Reading cybersecurity research papers, exploring advances in robotics, and playing cricket.