

Ansh Mishra

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D.O.B: 7th November 2003

EDUCATION

- **Birla Institute of Technology and Science, K K Birla Goa Campus** Goa, India
Bachelor of Engineering - Electronics and Instrumentation May 2021 - June 2025
Courses: Computer Programming, Object Oriented Programming (OOP), Digital Design, Microprocessors and Interfacing, Analog and Digital VLSI Design, Transducers and Measurement Systems, Electronic Instruments and Instrumentation Control
- **Modern Convent School** Delhi, India
10+2 PCM December 2021
Achievements: All Rounder, Jr. House Captain, Cultural In-Charge, School Band Drummer, Musician Of The Year, Basketball Team Captain, Netball Team Captain, Skating Team, Sr. House Captain, Scholar Student

WORK EXPERIENCE

K2Cloud - Gurugram

- **DevOps Intern** Remote
Full-time May 2023 - June 2023
 - **Deployment of LAMP Stack:** Locally deployed a LAMP Stack made from scratch using automated virtual machine environment

Enea AB - Hyderabad

- **Security Analyst Intern** On-site
Full-time June 2024 - July 2024
 - **Project - Optimization of security framework:** Analyzed live traffic and behaviour of firewalls. Integrated new features in the company framework and improved accuracy and efficiency in traffic management.
- **Security Analyst Intern** On-site
Full-time January 2025 - July 2025
 - **Project 1 - Optimization of Spam URL Classification System:** Worked on optimizing URL Classification system by creating rules and policies to improve accuracy and analyze the overall performance of the system.
 - **Project 2 - Grey Route Analysis:** Worked on grey route analysis for a reputed South American client, identifying and taking appropriate actions to mitigate unauthorized traffic and improve network integrity.

SKILLS SUMMARY

- **Languages:** Python, Java, Shell, C++
- **Tools:** Docker, Kibana, Vagrant, VirtualBox, Wireshark, Terminal
- **Platforms:** Linux, Windows, RaspberryPi, LAMP Stack
- **Soft Skills:** Threat Detection, False Positive/Negative Identification, Incident Response, Leadership, Team Management, Time Management, Problem Solving

PROJECTS

- **Intelligent Humidistat (Microprocessors and Interfacing):** Developed an intelligent humidistat that senses the humidity levels outside the room, and relatively manages the humidity levels inside the room using a humidifier.
- **Railway Reservation System (Object Oriented Programming):** Worked on a project under Dr. Anita B. Agarwal, developing a railway reservation system that facilitates users to book/cancel tickets, including special discounts, tatkal system and displaying booking status of the ticket. ↗

RELEVANT COURSES

- **IT Security Foundations:** LinkedIn Learning ↗
- **Cybersecurity Foundations:** LinkedIn Learning ↗
- **Regular Expressions:** LinkedIn Learning ↗
- **Ethical Hacking:** IIT Delhi

HONORS AND AWARDS

- **Participant: GoogleCTF** - June 2023
- **Top 100: Hacky Holidays CTF** - June 2022

POSITIONS OF RESPONSIBILITY

- **Finance Coordinator:** Organised 4 on-campus events, participated in inter-college events and represented college in various band events across Goa.

HOBBY PROJECTS

Raspberry Pi Projects: Had setup a personal ad-blocker using pre-compiled package called PiHole. Apart from this, made own smart switch using a servo motor and a WiFi jammer using the onboard WiFi module. Also built own personal voice assistant using Google Voice API, a speaker, mic and a Raspberry Pi.

Kali Linux: Read articles related to cybersecurity and hacking on forums such as NullByte, Reddit etc. and self-taught myself about tools in Kali Linux such as msfvenom, meterpreter, setoolkit etc. Using these skills, learnt to dual-boot my laptop and developed backdoors in a controlled home lab to study Android/OS vulnerabilities.