

Ansh Mishra

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EDUCATION

- **Birla Institute of Technology and Science, K K Birla Goa Campus** Goa, India
Bachelor of Technology - 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

SKILLS SUMMARY

- **Languages:** Python, Java, Shell, C++
- **Tools:** Docker, Kibana, Vagrant, VirtualBox, Wireshark, Terminal
- **Platforms:** Linux, Windows, RaspbeeryPi, AWS, LAMP Stack
- **Soft Skills:** Leadership, Team Management, Time Management, Writing

EXPERIENCE

- **K2Cloud - Gurugram** Remote
DevOps Intern (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** On-Site
Security Analyst Intern (Full-Time) June 2023 - July 2024
 - **Project - Optimization of security framework:** Analyzed live traffic and behaviour of firewalls. Integrated new features in the company framework and boosted accuracy and efficiency in traffic management.
 - **Impact:** Introduced a cost-effective and efficient way of threat detection on company infrastructure, handling over 200k+ hits daily

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.
- **Deployment of LAMP Stack (Linux, Apache, MySQL, PHP, Docker, Vagrant, VirtualBox):** Created a LAMP Stack and deployed it locally using VM, Docker and Vagrant for creating a Virtual Machine. Accessed the LAMP Stacked hosted inside the virtual machine running in a docker container using the host machine.

RELEVANT COURSES

- **IT Security Foundations :** LinkedIn Learning
- **Regular Expressions:** LinkedIn Learning
- **Ethical Hacking:** IIT Delhi
- **Grade 8 Drumming:** Rockschoool of London

HONORS AND AWARDS

- GoogleCTF Participant - June 2023
- Top 100: Hacky Holidays CTF - June 2022
- 1st Position: Till Deaf Do Us Part (National Battle of Bands) - April 2023

POSITION OF RESPONSIBILITY

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

HOBBY PROJECTS

- **Raspberry Pi Projects:** I setup a personal ad-blocker using pre-compiled package called PiHole. Apart from this, I made my own smart switch using a servo motor and a WiFi jammer using the onboard WiFi module. One of the best projects I did with my Raspberry Pi was building my own personal voice assistant using Google Voice API, a speaker and a mic.
- **Kali Linux:** I read articles related to cybersecurity and hacking on forums such as NullByte, Reddit etc. and I self-taught myself about tools in Kali Linux such as msfvenom, meterpreter, setoolkit etc. Using these skills, I learnt to dual-boot my laptop and made backdoors for my android phone and laptops at home.

EXTRA-CURRICULAR SKILLS

- **Music:** I am a certified Grade 8 Drummer from Rockschoool of London. I have participated in multiple inter-school and inter-college events. Me and my band won the National Battle of Bands held at BITS Hyderabad in 2023. I also play guitar sometimes.
- **Sports:** I learnt skating in 4th grade and competed till zonal level. I also won multiple inter-school events. I started playing basketball in 6th grade and played it all throughout highschool. I was the school basketball team captain for 4 years and won many tournaments. I was also the captain of the netball team for 2 years and competed at zonal level. I'm an avid F1 fan and I love all forms of racing.
- **Art:** I learnt sketching and drawing in 5th grade. I have competed and won in art events as well in my school.
- **Video Editing:** I taught myself complex video editing softwares like Adobe After Effects and Adobe Premiere Pro during COVID times, and undertook freelance video editing projects. I also have experience using Photoshop, designing posters and merchandise for the band