

David Porathur

3rd Year Engineering Student | LEAD AT PROJECT CELL CRCE | SIH 2024 Finalist

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SUMMARY

I am an enthusiastic engineering student at Fr. Conceicao Rodrigues College of Engineering, with a strong problem-solving mentality and good technical skills.
I have a keen interest in **IoT & Cybersecurity**, and I'm eager to contribute and grow in these fields.

TECHNICAL SKILLS

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|--|-------------------------------------|------------------------------|
| • Linux, VMWare ESXi | • IoT Cloud, AWS, Firebase | • C/C++, Embedded C |
| • IT Infrastructure Setup & Management | • LLM Finetuning & Deployment | • Python, FastAPI, Flask |
| • ESP32, Raspberry Pi | • Cybersecurity Systems Development | • bash & .bat Scripting |
| | • OS Development (Debian-Based) | • HTML, TailWindCSS, Next.js |

PROFESSIONAL EXPERIENCE

Intern at National Critical Information Infrastructure Protection Centre (NCIIPC - A Unit of NTRO) [Government of India]	June 2025 - Present (6 Months)
◦ Cybersecurity Systems Development	
◦ Tech Stack: Python, C++, LLM, Proxmox, Next.js, Qemu, Docker, Qdrant, Redis, PostgreSQL	

Internship at <u>Oasis Luminaries</u> - Product R&D Team	Jan 2025 - May 2025 (5 Months)
◦ Worked on an advanced IoT SmartPole system	
◦ Designed and developed a custom IoT Gateway software with ESP32 and Raspberry Pi	
◦ Tech Stack: Firebase, C++, Embedded C, Python, Next.js	

PROJECTS

<u>ECHO ATT&CK</u>	Aug 2025
A comprehensive cybersecurity threat intelligence platform that visualizes and analyzes MITRE ATT&CK framework data, providing security professionals with actionable insights into Advanced Persistent Threat (APT) groups and attack techniques.	

SpamOut - 1st Prize Winner at Hacksphere 2025 Hackathon	Feb 2025
SpamOut is a real-time email threat detection tool that analyzes phishing, spoofing, and malware using ML, SPF/DKIM/DMARC checks, and VirusTotal API.	
Users receive detailed security reports within minutes via web, extension, or email forwarding.	

CyberKhabar - SIH 2024 Grand Finals	Sept 2024 - Dec 2024
A Realtime cyber feed generator to display information regarding cyberattacks pertaining to Indian Cyber Space. SIH 2024: PS1677	

EDUCATION

B.E. in Electronics and Computer Science
Fr. Conceicao Rodrigues College of Engineering, Bandra. CGPA: 8.12

Higher Secondary Education (HSC)
Kandivali Pioneer College of Science

Senior Secondary Education (SSC)
St. George High School, Malad East

