PRAGATI RAJ BEHERA

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EDUCATION

Dayananda Sagar College Of Engineering   **CGPA: 9.545**
B.E. - Information Science   *2022 - Present*

TECHNICAL SKILLS

Languages: C, C++, Python, Bash, SQL
Cybersecurity Skills: Cryptography, Reverse Engineering, Steganography, Web Application Security
Cybersecurity Tools/Frameworks: Kali Linux, Nmap, BurpSuite, Wireshark, Metasploit, OWASP Top 10

EXPERIENCE

AvinyaSQ Technologies   **Feb 2025 - Present**
Intern — Python, Cryptography, Quantum Safe Migration   *Remote*

- Worked on **cryptographic artifact discovery** for **quantum risk assessment** ultimately aiding in **quantum safe migration**
- Developed tools for scanning systems for **SSL/TLS certificates, cryptographic keys and libraries** to find attributes relevant for quantum risk assessment using **OpenSSL**

PROJECTS

ReconGraph | *Python, Flask* - Github, recongraph.xyz

- A web application providing **digital footprint, digital asset threat discovery and malware analysis** services, all in one place with easy to understand visualizations and security recommendations
- Allows individuals and organizations to view consolidated information about their digital assets like **usernames, emails, phone-numbers, domains, IP addresses** and detects **malicious capabilities** of executable files

MAlBox | *Python, Flask* - Github

- A web application providing malware analysis capabilities on the go with hash analysis from various security vendors through **VirusTotal** and malicious capabilities mapped with the **MITRE ATT&CK** framework
- Shows decompiled assembly and C code of the executable file using **pyGhidra** along with explanation of parts of the code as per the user's selection

malwareDevelopment | *C, Windows API* Github

- Basic malware samples developed in C language using the **Windows API (Win32 API)** utilizing process injection techniques like **shellcode injection** and **DLL injection**

ACHIEVEMENTS

- **1st position** in **HackVerse 5.0 Security Track** conducted by NITK, Surathkal
- **1st position** in **Sandbox 2025** cybersecurity hackathon conducted by Department of Cyber Security, DSCE
- **1st position** in **OpenTech Hunt CTF** conducted by Department of CSA, IISC Open Day 2024
- **1st position** in **Decipher - Blitz CTF** conducted by Department of Cyber Security, DSCE
- **1st position** in **BotCraft** discord bot building competition conducted by Department of CSE, DSCE
- **3rd position** in **Decipher CTF** conducted by Department of Cyber Security, DSCE
- **22nd position** among **400 teams** in **RVCExIITB National Level CTF**
- **181st position** among **4211 teams** comprised of **8984 participants** in the month long **Huntress CTF**

VOLUNTEERING

PointBlank - Member

- Point Blank is an interdisciplinary team of programmers that focuses on developing a coding culture in DSCE through participation in competitions such as ACM-ICPC, GSoC and SIH
- Organized and hosted **PBCTFv3.0**, a Capture The Flag (CTF) cybersecurity event with **350 participants** (120 solo and 115 duos)