

Gaurav Raj

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EDUCATION

B.Sc (Hons.) Zoology	<i>Magadh University, Bodh Gaya</i>	2021
I.Sc (Science)	<i>R.R.P. College, Bhergawan</i>	2018

EXPERIENCE

Python Developer <i>Cybercraft Labs Pvt Ltd</i>	Sept 2023 - Nov 2024 <i>Patna, Bihar</i>
Market Representative <i>Nouveau Medicament Private Limited</i>	Apr 2023 - Sept 2023 <i>Patna, Bihar</i>

CERTIFICATION & AWARDS

In Top 1% on TryHackMe	08/2021 - Present
Completed Jet Fortress (External Web Pentest), HackTheBox	2023
The Complete Computer Forensics Course PRO: CFCT+, Udemy	2023
Reverse Engineering & Malware Analysis x64/32: CRMA+, Udemy	2023
Active Directory Pentesting Full Course - Red Team Hacking, Udemy	2023

SKILLS & INTERESTS

Hacking Pen Testing/Bug Hunting, Binary Exploitation, Reverse Engineering, Web Hacking

Programming C, C++, Python, Java, Go, Rust, JavaScript, TypeScript, PHP, Kotlin

DevOps Linux, Docker, AWS, GCP, CI/CD, Git, Github/Gitlab, Netlify/Vercel

Soft Skills Problem Solving, Agile Development, Teamwork, Communication

PROJECTS

Vigilate Arch | <https://vigarch.cybercraftlabs.org> Anonymous, Live & Amnesic OS - **2024**

- **Tech Stack:** Tor, Linux, ISO-build, Systems design, Package Management, Git
- **Features:** Amnesic and Live System, Native Tor Integration, Vast Tools Repository
- **Accomplish:** Learned OS-level security implementation, live system architecture and tor integration.

Passcraft | github.com/thehackersbrain/passcraft Password Wordlists Generator - **2023**

- **Tech Stack:** Rust, Cargo, Bash Script, Git, Github
- **Features:** Generates wordlist based on target's public information for bruteforcing attacks.
- **Accomplish:** Understanding of password security, efficient wordlist, rust's memory safety features.

CPUInfo OS | github.com/thehackersbrain/cpuinfo-os A Complete OS from Scratch - **2022**

- **Tech Stack:** C/C++, x86-64 Assembly, Bash Scripting, Low-level emulation (i.e qemu/kvm)
- **Features:** Custom written bootloader, kernel, shell, high-level utilities (i.e text editors, terminal).
- **Accomplish:** Learnt better memory management and deeper understanding of working of OS.

Hiddenwave | github.com/thehackersbrain/hiddenwave Audio Steganography Tool - **2021**

- **Tech Stack:** C/C++, Python, Bash Scripting, CMake, Git/Github
- **Features:** Hide texts, images, files inside audio files (.mp3, .wav) via low-level audio manipulation.
- **Accomplish:** Learned low-level audio-manipulation, memory management & garbage collection.