

Gaurav Raj

Red Team OP & Software Engineer
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EDUCATION

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

EXPERIENCE

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

CERTIFICATION & AWARDS

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

SKILLS & INTERESTS

Hacking Red Team Operations/Penetration Testing, Reverse Engineering, Web Application Security
Security Tools Burpsuite, Cobalt Strike, Sliver, BloodHound, Wireshark, IDA Pro, CrackMapExec
Programming C, C++, Python, Java, Go, Rust, Zig, JavaScript, Bash, PowerShell, TypeScript, PHP
Development Backend, Frontend, Web/Mobile/Desktop Apps, APIs, Systems (Low Level), DSA
DevOps Linux, Docker, Kubernetes, AWS, GCP, CI/CD, Git, GitHub/GitLab, Vagrant, Terraform
Tooling Vim, Tmux, GNU toolchain, QEMU/KVM, clang/llvm, gdb/lldb, strace, lsof, tcpdump
Soft Skills Problem Solving, Agile Development, Communication, Technical Writing, Code Review

PROJECTS

Berserk Arch berserkarch.xyz	Hacking & Dev-Ready Linux Distro - 2025
<ul style="list-style-type: none">• Tech: Tor, Linux, ISO building, Systems Design, Package Management, Git• Features: Amnesic live system, native Tor integration, comprehensive tools repository• Impact: OS-level security implementation, live system architecture, anonymous networking	
Passcraft github.com/thehackersbrain/passcraft	Password Wordlist Generator - 2023
<ul style="list-style-type: none">• Tech: Rust, Cargo, Bash, Git• Features: Target-based wordlist generation for credential attacks• Impact: Password security research, efficient wordlist algorithms, Rust memory safety	
THBOS github.com/thehackersbrain/thbos	Custom Operating System from Scratch - 2022
<ul style="list-style-type: none">• Tech: C/C++, x86-64 Assembly, Bash, QEMU/KVM• Features: Custom bootloader, kernel, shell, and high-level utilities (text editor, terminal)• Impact: Advanced memory management, deep OS internals understanding	
Hiddenwave github.com/thehackersbrain/hiddenwave	Audio Steganography Tool - 2021
<ul style="list-style-type: none">• Tech: C/C++, Python, Bash, CMake, Git• Features: Hide text, images, files in audio (.mp3, .wav) via low-level manipulation• Impact: Audio format internals, memory management, data encoding techniques	