

Gaurav Raj

Red Team OP & Software Engineer
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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

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