

# Gaurav Raj

Red Team OP & Software Developer

Patna, Bihar, India

Mobile: +917488930330

Email: [contact@thehackersbrain.xyz](mailto:contact@thehackersbrain.xyz)

GitHub: [github.com/thehackersbrain](https://github.com/thehackersbrain)

Website: <https://thehackersbrain.xyz/>

LinkedIn: [linkedin.com/in/thehackersbrainn](https://www.linkedin.com/in/thehackersbrainn)

## 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

In Top 1% on TryHackMe

08/2021 - Present

Completed Jet Fortress (External Web Pentest), HackTheBox

2023

The Complete Computer Forensics Course PRO: CFCT+, Udemey

2023

Reverse Engineering & Malware Analysis x64/32: CRMA+, Udemey

2023

Active Directory Pentesting Full Course - Red Team Hacking, Udemey

2023

## SKILLS & INTERESTS

**Hacking** Red Team OP/Pen Testing/Bug Hunting, Binary Exploitation, Reverse Engineering, Web Hacking

**Programming** C, C++, Python, Java, Go, Rust, Zig, JavaScript, Bash, Powershell, TypeScript, PHP

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

**Soft Skills** Problem Solving, Agile Development, Teamwork, Communication

## PROJECTS

**Berserk Arch** | <https://berserkarch.xyz/>

Hacking & Dev ready Linux Distro - **2025**

- **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](https://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](https://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](https://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.