

# Gaurav Raj

Red Team OP & Software Engineer  
Patna, Bihar, India

Mobile: +917488930330  
Email: gaurav@thehackersbrain.xyz  
GitHub: github.com/thehackersbrain  
Website: https://thehackersbrain.xyz/  
LinkedIn: linkedin.com/in/thehackersbrain

## EDUCATION

---

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

## EXPERIENCE

---

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

---

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