

Gaurav Raj

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EDUCATION

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

EXPERIENCE

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| 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

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|---|-------------------|
| 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

Snapgram | <https://snapgram-two-self.vercel.app> A Social Media Platform (i.e. Instagram) - **2024**

- **Tech Stack:** ReactJS, Appwrite, React Query, TypeScript, Vercel, Git, Github
- **Features:** Authentication System, CRUD-riched Posts System, Complete Backend
- **Accomplish:** Better understanding of authentication & authorization while handling user data.

Carepulse | <https://carepulse-theta.vercel.app> Healthcare Management System - **2024**

- **Tech Stack:** NextJS, Twilio, Appwrite, Sentry TypeScript, Vercel, Git, Github
- **Features:** Complete CRUD System, Admin Dashboard, SMS & Email Notifications
- **Accomplish:** Better understanding of file uploads, data storage and asynchronus notification handling.

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:** Authentication System, CRUD-riched Posts System, Complete Backend
- **Accomplish:** Learned low-level audio-manipulation, memory management & garbage collection.