

# Gaurav Raj

Cyber Security Researcher and Developer (@thehackersbrain)



I'm a Cyber Security Researcher and Developer with almost a half-decade (3+ years) of experience. Skilled in multiple programming languages like Python, Rust, JavaScript, C, C++, and more. My expertise extends to and beyond, DevOps, Reverse-Engineering, Development (Full Stack Software Developer), and more. Mostly involved in Bug-Hunting or Freelance projects.

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## WORK EXPERIENCE

### Python Developer at Cybercraft Labs Pvt Ltd

09/2023 - Present

Patna

### Market Representative at Nouveau Medicament Private Limited.

04/2023 - 09/2023

Patna

## PERSONAL PROJECTS

### Vigilante Arch - Live & Amnesic OS [↗](#)

- A live and anonymous operating system for hackers, security professionals, and tech geeks. **Vigilante Arch** is the ultimate toolkit for modern-day cyber vigilantes. Built on the robust foundation of Arch Linux.

### CPUInfo-OS - Custom OS from Scratch [↗](#)

- A Simple Linux Operating System, written in C, C++, and Assembly Language. With a custom-written Kernel with Keyboard Input Support and a custom bootloader.

### Snapgram - Social Media Web Application [↗](#)

- Developed a social media app with React.js, TypeScript, Appwrite, and Tailwind CSS, featuring post interactions and user profiles. Used React Query for data fetching and Appwrite for backend management. Focused on performance and security.

### Hiddenwave - An audio steganography tool [↗](#)

- Got a secret file or message which you want to hide? Hiddenware is a tool written in C and C++ for hiding your files and messages inside an audio file

## EDUCATION

### B.Sc (Zoology)

Magadh University Bodh Gaya

08/2018 - 08/2021

Patna, Bihar

Courses

- B.Sc (Hons) - Zoology

### I.Sc (Science)

R.R.P. College, Bhergawan

06/2016 - 07/2018

Masaurhi, Patna

Courses

- Intermediate in Science (Maths & BIO)

## SKILLS

Linux Administration

Pen Testing/Bug Hunting

Programming (C, C++, Python, Go, Rust, Java, PHP etc.)

Networking

Web Development (MERN/MEVN etc.)

Reverse Engineering

Binary Exploitation

Software Development (Desktop/Mobile/Web)

Git/Github/Gitlab

DevOps (CI/CD, Docker, AWS, GCP)

## ACHIEVEMENTS

### In Top 1% on TryHackMe (08/2021 - Present) [↗](#)

An online platform for learning Cyber Security or any skills related to IT Security. Also created and got some box listing on **Vulnhub**.

### Cyber Offences by MeitY (Govt. of India) [↗](#)

Secured 83% in the online quiz, conducted as a part of National Cyber Security Laws and Awareness by the **Ministry of Electronics & Information Technology (MeitY)**, ISEA Project Phase - II, **Government of India**.

### Jet Fortress from HackTheBox [↗](#)

Completed **Jet Fortress** on **HTB**. Fully customizable vulnerable labs that any company can host in **Hack The Box**. Consists with Web Applications and System Vulnerabilities with Basic to Advance level of Complexity.

## CERTIFICATES

### Basic Cyber Security Knowledge and Experience [↗](#)

Certificate of Completion of Advent of Cyber 2020. A 25 days security challenge camp hosted by TryHackMe.

### Software Engineer From HackerRank [↗](#)

Problem Solving, SQL, REST API etc.

### Reverse Engineering and Malware Analysis (CRMA+) [↗](#)

Practical application of Reverse Engineering and Malware Analysis

## INTERESTS

Reading

Blogging

Cybersecurity

Puzzles