

# Gaurav Raj

Software Developer & DevOps Engineer

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## 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 & ACHIEVEMENTS

Software Engineer, HackerRank	2024
Java Programming, HackerRank	2021
Problem Solving (Intermediate), HackerRank	2023
Master C++ Programming From Beginner To Advance, Udemy	2022
Applied Linux Command Line and Shell Scripting Zero to Elite, Udemy	2022

## SKILLS & INTERESTS

**Frameworks & Stacks** ReactJS, NextJS, NodeJS, React-Native, Flutter, Laravel, Android Studio

**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:** Deeper understanding of authentication & authorization, handling user data securely.

**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:** Understanding of async event-driven architecture, file uploads, secure data storage.

**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:** Understanding of OS Internals, memory management, and low-level system programming.

**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:** Advanced low-level audio manipulation, memory management, efficient data encoding.