

Rolan Lobo

Python-Focused Full-Stack Developer

Developer with strong Python skills and experience in secure web apps, automation tools, and desktop solutions. Eager to learn, grow, and contribute to meaningful backend and full-stack roles.

Contact

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Academic Details

- **Bachelor of Engineering (B.E.) Computer Engineering**
BCET, Bengaluru;
CGPA: 8.6

Soft Skills

Analytical | Collaborator | Leader | Adaptable

Technical Skills

- **Programming Languages:**
Python, JavaScript, TypeScript
- **Frontend:**
React.js, HTML5, CSS3, Tailwind CSS
- **Backend:**
Flask, Node.js (Express), REST APIs, JWT Auth
- **Databases:**
MySQL, SQLite
- **Tools:**
Git/GitHub, Docker, Postman, FFMPEG

Core Competencies

Full-Stack Web Development

Steganography

Restful API

Polyglot File Techniques

Cross-Platform Development
(Web, Desktop, Mobile)

Containerization (Docker)

Version Control (Git/GitHub)

Performance Optimization

System Scalability

Profile Summary

- Skilled in backend development using **Python, Flask, REST APIs**, and secure application design.
- Experienced in frontend technologies like **React, HTML, CSS, and Tailwind** for building responsive UIs.
- Built real-world projects including **InvisioVault (steganography)**, **BAR (secure file system)**, browser extensions, and basic computer vision tools.
- Strong **problem-solving, debugging, and analytical skills** with a continuous-learning mindset.
- Eager to contribute to impactful backend and full-stack roles while expanding technical expertise.

Academic Projects

BAR – Secure Self-Destructing File Management System

GitHub: <https://github.com/Mrtracker-new/BAR>

BAR (Burn After Reading) is a desktop app that lets you store and share files with built-in self-destruction capabilities

- Built an offline security-focused desktop application using Python with AES-256 encryption and device-based key management.
- Implemented self-destruct features including time-based deletion, open-count limits, brute-force protection, and a panic-wipe option.
- Added screenshot blocking, secure file scanning, view-only mode, and multi-threaded search for encrypted .bar files.
- Designed a clean, dark-themed UI for smooth and secure user experience.
- Live web version: <https://bar-rnr.vercel.app>

InvisioVault – Steganography & Polyglot File Web App

GitHub: <https://github.com/Mrtracker-new/InvisioVault>

Hide anything inside images, or create wild dual-format polyglot files — all in a slick React + Flask app.

- Developed a full-stack application (React + Flask) that hides files inside images using LSB-based steganography.
- Built a polyglot engine that generates files functioning as **two formats at once**.
- Added password protection, AES-256 encryption, auto-compression, and support for multiple file types.
- Designed a clean UI with dark mode, responsive layout, and a REST API for integration.
- Live: <https://invisio-vault.vercel.app>

GitHub Contribution Summary

GitHub Contribution Summary

- Commits: 500+
- Repositories: 20+
- Projects: 10+ major
- Languages: Python, JS, TS
- Profile: <https://github.com/Mrtracker-new>

