

Hardik Y Kumawat

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SKILLS

- Languages:** Golang, Python, C++, Java
- Frameworks:** Gorilla, net/http, Flask, Gin, Chi, Cobra
- Tools/Platforms:** Nginx, Docker, MySQL, Linux, GitHub Actions, Zsh, Bash, Prometheus, Grafana
- Soft Skills:** Emotional Intelligence, Critical Thinking, Adaptability, Active Listening, Decision-Making

INTERNSHIP

- HEMRL (High Energy Material Research Lab) DRDO Pune** June 2024 - August 2024
Cybersecurity Intern
 - Conducted Research on the topic **Study and Implementation of Cybersecurity Applications for QR Data Encryption and Forensic Disk Imaging**. Created a well-defined project report document on the same.
 - Developed the **IYD Disk Imaging Application**, designed to facilitate the secure imaging of storage devices.
 - Created a web application for **QR data encryption and verification** for secure internal data transfer.
 - Tech:** Python (Flask, AES-256 encryption algorithm)

PROJECTS

- Go-serverless: Serverless Platform** February 2025 – March 2025
Designed a serverless platform using Go and Docker to enable users to upload and execute code in a secure environment.
Developed RESTful API for submitting and executing code, allowing seamless interaction with the platform.
Implemented Docker containers to create isolated runtime environments for executing user-submitted code.
Integrated Prometheus and Grafana to visualize Go system metrics, enhancing monitoring and performance analysis.
Tech: Golang, Docker, Grafana, Prometheus
GitHub: <https://github.com/hardikkum444/go-serverless>
- Unplugged: Self Hostable Blazingly Fast Robust Blogging Service** January 2025 – February 2025
Created a robust and blazingly fast self-hostable blogging service.
Designed a Docker file for self-hosting, including Nginx as a reverse proxy and MySQL.
Configured Nginx as a reverse proxy and added an additional script to sync the local database with the Docker MySQL database.
Tech: Golang, Docker, Nginx, HTML templates
GitHub: <https://github.com/hardikkum444/man44-unplugged>
- IYD–Image Your Disk: Disk Imaging Application** July 2024 – August 2024
Created Image-Your-Disk as a disk imaging application built using python with native support for Linux.
Built an interactive GUI for seamless navigation and user experience.
Integrated PGP for secure mounting, encryption, and decryption of created disk images.
Optimized performance and responsiveness for large data using multithreading.
Tech: Python (Python-tkinter), Figma
GitHub: <https://github.com/hardikkum444/IYD-Image-Your-Disk>

CERTIFICATES

- Golang intermediate certification [**Hackerrank**] December 2024
- Mastering Data Structures & Algorithm using C and C++ [**Udemy**] November 2023
- Ethical Hacking Essentials (EHE) [**Coursera**] December 2024
- Digital Forensics Essentials (DFE) [**Coursera**] November 2024

ACHIEVEMENTS

- CGPA: Maintaining a CGPA of 8.17 at university
- 2000+ Commits on GitHub, showing continuous development and commitment to programming

EDUCATION

- Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering: CGPA: 8.17 Sept 2022 – Present
- Blossom Public School** Pune, Maharashtra
Intermediate; Percentage: 80% April 2021 - March 2022
- Akshara Internation School** Pune, Maharashtra
Matriculation; Percentage: 95% April 2019 - March 2020