

Mit Rohit

From Gujarat, India



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MitRohit



MitkumarR

Education

S. V. National Institute of Technology, Surat

B.Tech, Computer Science and Engineering

Nov 2022 – Present

CGPA: 7.02

P.P. Savani Chaitanya Vidhya Sankul, Surat

Higher Secondary School Certificate

Jul 2020 – Mar 2022

Percentage: 73.53

Technical Skills

Domain: Cyber Security, Linux Systems, Backend Engineering

Programming Languages & Frameworks: Python, C++, SQL, Bash Scripting, JavaScript, Django, Flask, REST APIs, React

Tools & Technologies: Git, Docker, Linux CLI, Figma (UI/UX), Openstack Swift(SAIO)

Experience

Navodita Infotech | Web Developer Intern Program

Jun 2025 - Jul 2025

- Built backend API for a Recipe Sharing Platform using **Django REST Framework, PostgreSQL, and JWT**.
- Implemented comprehensive recipe CRUD with nested ingredients/steps, image uploads, and social interactive features.
- Enabled advanced discovery through filtering, search and sorting. And documented complete API via **Swagger UI** and **ReDoc**.

Projects

E2EE Secure File Share | Flask, React, Docker, Redis, Kubernetes, PostgreSQL, NGINX, Openstack Swift |

It is a secure file-sharing application that ensures your files are encrypted from end-to-end, meaning only you and the intended recipient can access the content.

- **Key features:** End-to-End Encryption, Secure User Authentication, One-Time Download Links, Microservices Architecture, Private Encrypted Storage.
- Engineered a **zero-knowledge E2EE pipeline** using the browser's **Web Crypto API (AES-256-GCM)**, ensuring servers never accessed unencrypted data.
- Integrated **OpenStack Swift (SAIO)** as private object storage, eliminating third-party cloud reliance and built core features including **secure expiring one-time links** with Redis state management.
- Containerized and deployed the stack on **Docker-Kubernetes**, and an **NGINX** Ingress Controller for routing. Ensured reliability with a **Pytest unit test suite** mocking external dependencies.

Linux Dev environment in a Container | Docker, Linux, OpenSSH, Apache2 |

L-DEV is a dockerized linux environment with SSH and Apache access, containerizing a web server with a custom user, file permissions, and service isolation.

- **Key features:** Isolated services, Persistent web data, Remote shell access, SSH hardening
- Built a dockerized **Ubuntu 22.04 LTS** as base environment with **openSSH** and **Apache2** web server, featuring a custom docker user, file permissions.
- Isolated web services within the container, with persistent web data managed using **Docker volumes**.
- Secured remote access by implementing **SSH hardening** with public/private key authentication and enabling remote shell access.

Book Review Platform | Django, PostgreSQL |

A full-stack book review website inspired by Goodreads for managing and sharing book reviews.

- **Key features:** User review and rating system, Book exploration, User profile management
- Built a full-stack web app with custom user authentication, verify emails, manage profiles, and securely reset passwords
- Designed a relational database schema to manage **users, books, genres, reviews, and interactions** with **PostgreSQL**.
- Implemented features such as **book listings, genre exploration, ratings, and review management** with spoiler tagging.

Position of Responsibilities

Representative, Nexus Cell – Dept. of Computer Science and Engineering

- Contributed to organizing departmental events and developed teamwork and event coordination through active collaboration with peers.

Designer Head, Nexus Cell – Dept. of Computer Science and Engineering

- Leading visual design efforts for departmental activities using tools like Figma, Canva and Photoshop
- Responsible for design decision-making and maintaining consistency across digital print media.

Certifications

– **Capture the Flag 1.0** (Cybergyan-Nexus)

Apr 2025

– **Google Cybersecurity** (Coursera)

Jul 2025

– **Web Development Intern** (Navodita Infotech)

Jul 2025