

# Sumit Patel

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## Experience

PeerXP Services Pvt. Ltd, Bengaluru, Karnataka

Feb - Aug 2023

DevOps Intern

- **Proofread** and **executed** around **1000 DevOps tutorials/articles** to ensure they are up to date, ensuring accuracy and clarity in the documentation for clients.
- Collaborated with the team to sanitize **GitLab** repositories on the client side, optimizing code quality and ensuring compliance with best practices.
- Created new **Docker** images for clients, incorporating necessary dependencies and configurations, and integrated them into their automation pipeline.
- Developed a customized dashboard for **Server Monitoring** using **Grafana** and **Prometheus**, providing real-time insights into system performance and metrics.
- Assisted in the implementation and configuration of continuous integration/continuous deployment (CI/CD) pipelines, automating the build, test, and deployment processes for software releases using **AWS**.
- Collaborated with the development team to troubleshoot and resolve issues related to infrastructure and deployment pipelines.

## Education

Vasantdata Patil Pratisthan's College Of Engineering, Mumbai

2023-2026

BTech. Information Technology

N.A.

Government Polytechnic Mumbai

2020-2023

Diploma in Computer Engineering

Average GPA: 8.7/10

R.N Gandhi High School

2019-2020

Secondary (X) - SSC Maharashtra

Percentage: 83.00

## Projects

**Thrifty: E-Shopping Assistant**

[Source code](#)

- Developed **API** and Backend in NodeJS, ExpressJS, and MongoDB.
- Developed a **CI/CD** pipeline for Deployment using **containerization**.
- Users can search for online products and compare prices across multiple sites
- Email users about price fluctuations.

**Minipy: API-Based Encryption System**

[Source code](#)

- Developed a **Flask API** enabling secure file uploads, implementing Elliptic Curve Cryptography (ECC) for robust key generation, Elliptic Curve Integrated Encryption Scheme (ECIES) for efficient **encryption**, and Advanced Encryption Standard (AES) for secure data protection.
- The API seamlessly **delivers** encrypted **files** and their corresponding **keys** through a secure key exchange mechanism, ensuring data confidentiality, integrity, and authenticity in file communication.

## Technical Skills

### Key Skills:

- Linux
- Networking
- Virtualization
- Shell scripting
- Containerization
- VCS
- DBMS (MongoDB, MySQL)
- Cloud Platforms (AWS, GCP)

### Programming Languages:

- C
- C++
- Java
- Bash
- Python
- NodeJS

### DevOps Tools:

- Ansible
- Docker
- Kubernetes
- Git
- Prometheus
- Grafana
- Jenkins
- Terraform

## Certifications

KodeKloud

Infoysis Spring Board

TrainWithShubham

[Redhat certified System Administrator](#)

[Mastering Linux Command Line](#)

[DevOps- Zero to hero](#)