

## 🌐 Website & Socials Links

Personal Website: <https://portfolio-e1mb.onrender.com>

LinkedIn: <https://linkedin.com/in/sumitRoyFop>

GitHub: <https://github.com/sumitroy01>

## 👤 Summary

Software Engineer with hands-on experience in MERN stack development and DevOps practices.

Built and deployed containerized applications using Docker, Kubernetes, and AWS, with strong fundamentals in DSA, system design, and operating systems.

## 📊 Skills

Java

JavaScript

React

Node.js

Express.js

MongoDB

REST APIs

Docker

Kubernetes

AWS (EC2)

Jenkins

Git

GitHub

Linux

Tailwind CSS

Data Structures & Algorithms

System Design

Computer Networks

Operating Systems

Postman

## 🧰 Experience

### Project 1

#### Chat Application | MERN STACK

Tech: React, Node.js, Express, MongoDB, JWT, REST APIs

- Built a full-stack real-time chat application with authentication, private chats, and group messaging
- Designed REST APIs for users, chats, and messages with JWT-based authentication
- Implemented optimized MongoDB schemas for users, chats, and messages
- Integrated secure cookie-based authentication and role-based access control

### Project 2

#### Containerized 3-tier Application | Devops

Tech: Docker, Docker Compose, Kubernetes, AWS EC2, NGINX, MongoDB

- Containerized frontend, backend, and database using Docker with multi-container networking
- Used Docker volumes for persistent MongoDB storage
- Orchestrated services locally with Docker Compose and deployed using Kubernetes
- Deployed the application on AWS EC2 (free tier) with environment-based configuration

### Project 3

#### Data Structures, System Design & OS Practice

Tech: Java, Linux, Git

- Solved 300+ DSA problems covering arrays, trees, graphs, and recursion
- Practiced system design, API design, and database modeling
- Strengthened fundamentals in operating systems and computer networks

## 🎓 Education

### Anurag University

B.Tech

2025

Hyderabad, Telangana