

# Chahat Sagar

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## Education

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**Indian Institute of Information Technology and Management**  
*Bachelor of Technology in Information Technology (CGPA : 8.33)*

Expected May 2026  
Gwalior, Madhya Pradesh

## Technical Skills

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**Languages:** Python, TypeScript, C++, SQL, Bash

**Backend:** ExpressJS, Django, FastAPI, ReactJS, GraphQL, WebSockets, Prometheus, Grafana

**DevOps:** Docker, AWS, Terraform, Kubernetes, Nginx, Jenkins, Github Actions

**Databases:** MySQL, PostgreSQL, MongoDB, Redis, AWS DynamoDB

**Tools:** Git, Linux, VSCode

## Coursework

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Data Structures , Algorithms , Object Oriented Programming , Computer Networking , Operating Systems , Database Management System

## Projects

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**CodeRunner** | *React.js , Django , Nginx , AWS , Docker , GitHub Actions , ExpressJS , SocketIO*

- Orchestrated the integration of **React.js**, **Django**, **Nginx**, **Docker**, **AWS**, and **ExpressJS** to develop a scalable microservice-based remote code execution platform.
- Implemented **Docker** for containerization and **AWS EC2** for seamless deployment with CI/CD pipelining with **GitHub Actions**.
- Engineered and implemented **10+** RESTful API endpoints and WebSocket connection to enable real-time multiuser functionality for online platform; facilitated seamless chatting experience.
- Developed frontend with **ReactJS** with seamless user experience and deployed on **Vercel** with **GitHub Actions** .

**CommuNet - Mailing Automation** | *Typescript, ExpressJS, Docker, Nginx, AWS, MongoDB, Jenkins, SonarQube*

- Architected **4 microservices-based** services for automating mailing processes from the frontend and LinkedIn via a Chrome extension.
- Engineered the containerization of services using **Docker Compose**, deploying on **AWS EC2** with **SSL** certification on a public domain; orchestrated the process through a **Jenkins CI/CD** pipeline, enhancing system security and scalability.
- Deployed a highly secure user authentication service by integrating **Google OAuth2** and **MongoDB**, enabling seamless **CRUD** operations with **Typescript** and **ExpressJS**.
- Engineered **10+** RestAPI endpoints on different service for **CRUD** operations , **OAuth2** , Mail sending with **GMAIL API** .
- Engineered and implemented **2 AWS Lambda** functions optimizing frontend data uploads to **S3**, enabling seamless extraction of critical information from uploaded excel/csv files, streamlining data processing by **40%**

## Achievements

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- Solved over **200+** DSA questions on various coding platforms like LeetCode, GeeksForGeeks etc.
- Engaged in Hackathon **HackByte 2.0** hosted by **MLH** in IIITDM Jabalpur .