

# SATAM GUPTA



## EDUCATION

### Graphic Era Demeed To Be University

Sep 2022 - Aug 2026

- Bachelor of Technology in Computer Science & Engineering; CGPA : 8.4.

### Purushottam Bhagchandka Academic School

Apr 2019 - Mar 2021

- Higher Secondary School With Science Stream; Percentage : 87.6%.

## PROJECTS

### Self Portfolio | [LINK](#)

- A totally awesome interactive portfolio website built with HTML, CSS, JS, TS, BootStrap, and SCSS in a way that emphasizes responsiveness for phones, tablets, and desktops. The design contains smooth animations, easy navigation, and a modern layout for good UX.
- Presenting my skills, projects, and contact details in a well-structured format as a kind of digital CV. The integrated sections elucidating my technical expertise, problem-solving proficiency, and involving work life will allow easier access for recruiters and collaborators to actually reach out.
- Optimized for fast load times, cross-browser compatibility, and styling in SCSS for maintainability and future scalability.

### GitOps | [LINK](#)

- Building and implementing a GitOps workflow provisioning AWS infrastructure using Terraform. Ensuring infrastructure deployment that scales, is repeatable, and version controlled. The whole change is managed through a Git repository to allow updates to happen seamlessly and rollback at any time.
- Using Docker to containerize applications in order to reproduce them across environments. Running containerized workloads on Amazon EKS for effective scalability, fault tolerance and automated orchestration.
- Incorporating GitOps to automate application deployment with Terraform and Kubernetes for infrastructure and workloads respectively. This approach assures consistency of deployments, better operational efficiency, and security while allowing automated monitoring and updates.

### Continuous Integration Using Jenkins | [LINK](#)

- Operated a completely automated Continuous Integration pipeline using Jenkins, linking the source code repositories (Git/GitHub) for automatic build triggering, unit testing, and deployment processes. Configured the Jenkins tool for both scheduled and event-based build processes, thus minimizing the feedback turnaround time and enhancing code quality.
- Jenkins Integratin with Docker for Containerized Builds Making sure complete Consistency of Application Environments from one stage to another in Development. Automated Application Deployment to Kubernetes Cluster with Jenkins Pipeline for Object Orchestration, Scaling, and Load Balancing for Improved Efficiency and Reliability in Software Delivery.

## SKILLS SUMMARY

- **Programming Languages :** C, C++, HTML, CSS, Python, JavaScript, TypeScript & Bash.
- **Frameworks & Libraries :** Bootstrap5, SCSS, Maven & CI/CD with Jenkins.
- **Technologies & DevOps :** MySQL, AWS, Ansible, Docker, Kubernetes, Linux Commands, Vagrant, Git & Terraform.
- **Developer Tools :** VsCode, Xcode, GitHub, ChatGPT & MySQL Workbench.
- **Operating Systems :** MacOS & Linux.
- **Languages :** English, Hindi.
- **Soft Skills :** Problem Solving & Critical Thinking, Team Collaboration & Communication, Time Management & Adaptability.
- **Coding Platforms :** 650+ DSA Questions Solved On LeetCode & GFG, 1700+ Contest Rating On LeetCode & 900+ Contest Rating On Codeforces.

## CERTIFICATES

### Walmart USA Advanced Software Engineering Virtual Experience Program on Forage | [CERTIFICATE](#)

- Developed a novel version of a heap data structure in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.
- Designed a UML class diagram for a data processor, considering different operating modes and database connections.
- Created an entity relationship diagram to design a new database accounting for all requirements provided by Walmart's pet department.

### DevOps Beginner To Advanced By Udemy | [CERTIFICATE](#)

- Completed a comprehensive DevOps course covering CI/CD, Docker, Kubernetes, Terraform, Ansible, AWS, and GitOps, with hands-on projects for real-world implementation.