

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

Civic Connect – A Real-Time Local Issue Reporting Platform | [LINK](#)

- The full-stack **MERN** application was developed so that citizens can report local civic problems (like potholes, garbage, broken streetlights, etc.) using **geolocation**, image uploads, and interactive maps, thereby ensuring greater transparency between the public and the municipal authorities.
- Provided system of **role-based access control** with real-time updates, along with a dedicated admin dashboard to resolve and prioritize issues in an efficient manner, thus avoiding the dependency on splintered, offline channels of complaints.

JSON To XML Converter Web Application | [LINK](#)

- Created and developed a fully functional **web application** that converts user-input **JSON** to cleanly formatted **XML** with real-time **syntax validation**, **error highlighting**, and **download options** for XML output, thus making data more interoperable and usable.
- Developed an interface that was responsive and friendly to the user, built with **HTML**, **CSS**, **JavaScript**, **React.js** & **Node.js**, and implemented **recursive parsing** capable of managing very deeply **nested JSON objects** and arrays for correct XML conversion.

Real-Time Collaborative Code Editor | [LINK](#)

- Created a real-time collaborative code editor based on **React**, **Node.js**, **Express.js** and **Socket.IO**, supporting simultaneous code editing by **multiple users** with **synchronized updates** across sessions. Incorporated features such as custom room creation, user identification, and live code sharing.
- Designed a scalable backend server with **WebSocket** support and **Express.js**, support for smooth **peer-to-peer collaboration**. Provided **auto-sync**, **syntax highlighting**, and **long-lived room-based sessions** for improved user experience, replicating the functionality of online IDEs of today.

End-to-End Deployment of a Three Tier Application Using GitOps | [LINK](#)

- Led a team** in deploying a three-tier application on **AWS EKS** using **GitOps** with **ArgoCD**, automating delivery pipelines and **reducing infrastructure setup time by 30%** through **Terraform-based provisioning**.
- Implemented a **Jenkins-driven CI/CD pipeline** and integrated **Prometheus-Grafana** monitoring stack, achieving a **99.9% deployment success rate**, zero downtime, and **40% faster issue detection**.

SKILLS SUMMARY

- Programming Languages :** C, C++, HTML, CSS, Python, JavaScript & Bash.
- Frameworks & Database :** React, Node.js, Express.js, Tailwind CSS, MySQL & MongoDB, PostgreSQL.
- Cloud & DevOps :** MySQL, AWS, Docker, CI & CD with Jenkins, Linux Commands, Git & Terraform.
- Developer Tools & IDEs :** 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.

ACHIEVEMENTS

- Led a team to **win the Sustainability and AgriTech domain** at the BUILDVERSE 24-hour hackathon. | [CERTIFICATE](#) | [LINK](#)
- Led a team in developing a **collaborative project** on Virtual Memory Management. | [LINK](#)
- Participated in an AWS Jam event and secured **32nd rank** out of 550+ students. | [CERTIFICATE](#)
- Solved **400+ problems** on LeetCode and GFG with a LeetCode contest rating of **1850+**, Codeforces rating of **1150+**, and a **210+ day** streak on LeetCode.

CERTIFICATES

- Walmart USA Advanced Software Engineering Virtual Experience Program on Forage. | [CERTIFICATE](#)
- DevOPs Beginner To Advanced By Udemy. | [CERTIFICATE](#)