

Prathamesh Gujar

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EDUCATION

Indian Institute of Technology (CGPA - 8.48)

Bachelor of Technology in Computer Science Engineering

Bhilai, Chhattisgarh

July. 2020 – Present

EXPERIENCE

Summer Internship at CDAC

June 2023 – July 2023

Worked on Manipulation of GIS (Geographic Information System) and its Visualization

Pune, Maharashtra

- Manipulation of Map data and worked on various formats for maps for faster and smoother render of Maps in Offline mode for mobile devices as well as web app for desktop devices.
- Worked with Technologies like OpenStreetMap, React Leaflet, GDAL and similar tools for Linux.

PROJECTS

Campus Delivery System | *React, Socket.io, NodeJs, MongoDB, Docker, Redis*

January 2023 - Present

- Developed a comprehensive full-stack application as a component of the Computer System Design course as a group project supporting caching, load balancing recommendation system .
- Employed a microservice architecture to enhance system modularity and scalability, ensuring optimal performance
- Implemented advanced frontend techniques to enhance user experience and facilitate seamless access to system functionalities. Additionally, contributed to the refinement of the backend architecture for improved server performance and scalability. Thus showcasing overall full stack skills .
- **GitHub:** [GitHub Repository Link](#)
- **Website:** [CAMPDEL Link](#)

Realtime Chat Application | *React, Socket.io, NodeJs, MongoDB*

December 2023

- Crafted an engaging Real-Time chat application using React, ensuring seamless live updates for sending and receiving messages.
- Engineered a suite of functionalities including User Authorization, intuitive Custom Avatar Selection, and streamlined Chat capabilities with other users.
- Implemented Socket.io for real-time communication, supporting instantaneous message exchanges, while using MongoDB to efficiently store user details and messages for enhanced scalability and performance.
- **GitHub:** [GitHub Repository Link](#)

AES Visualizer | *AnimeJs, Html and CSS*

October 2022 – November 2022

- A Front-End Application for understanding various levels of AES encryption through animations of blocks and grids.
- **GitHub:** [GitHub Repository Link](#)
- **Website:** [AES Visualizer Link](#)

COURSE WORK

- | | |
|----------------------------------|---|
| • DATA STRUCTURES AND ALGORITHMS | • DATABASE MANAGEMENT SYSTEMS |
| • COMPUTER NETWORKS | • COMPUTER SYSTEM DESIGN |
| • OPERATING SYSTEM | • CRYPTOGRAPHY AND INFORMATION SECURITY |

POSTION OF RESPONSIBILITES

- **Mentor:** Student Mentorship Program
- **DesignX:** Member (IIT Bhilai's Digital Art club)
- **The Pixel Snappers:** Member (IIT Bhilai's Photography club)
- **Class Representative:** Class Representative for the First Year

EXTRACURRICULAR

OpenSource Contributor (Beginner)

Volkswagon i-mobilothon 3.0 (Pre-Final Round)

Tata Imagination Challenge (Idea Submission Round)

TECHNICAL SKILLS

Technical Skills: C++, Python, SQL, JavaScript, HTML, CSS, Git, Linux And Shell Scripting, CUDA, Latex, React, NodeJS, jQuery, MongoDB, Leaflet, Express, Jekyll, Bootstrap

Soft Skills: Problem solving, Leadership, Teamwork, Time Management

Interests: Football, Badminton, Movies