TUSHAR JAIN

+91 9662630104 | Gujarat, India

tusharjain01234@gmail.com | LinkedIn | GitHub

EDUCATION

Pandit Deendayal Energy University — Gandhinagar, India
Bachelor of Technology in Information and Communication Technology, CGPA: 9.22 — *October 2022 - July 2025*

The Manaraja Sayajirao University of Baroda — Vadodara, India
Bachelor of Technology in Information and Communication Technology, CGPA: 7.00 — *July 2019 - October 2022*

SKILLS

- **Languages:** C++, Python, Java, SQL, JavaScript
- **Technologies and Frameworks:** HTML5, CSS3, React, Node.js, Express.js, RESTful API, Data Structures, Algorithms, Object Oriented Programming, Operating System, Git, Linux, Docker
- **Cloud Technologies:** Amazon Web Services (AWS), MongoDB
- **Soft skills:** Communication, Public speaking, Team management, Problem analytics

ACHIEVEMENTS

- Have represented college in Smart India Hackathon organized by Government of India competing among 100+ teams.
- Participated in New Vibrant Gujarat Hackathon under SSIP 2.0
- Successfully completed UI/UX workshop conducted by Association of Computing Machinery with 3+ designs.

PROJECTS

HomeoKart: *HTML, CSS, Bootstrap, Node.js, Express.js, EJS, MongoDB, Mongoose, PeerJS, Socket.IO*

- Designed and developed an E-Commerce platform specialized in more than 50 medical supplies. Assimilated a Razorpay payment gateway for test purposes that can handle more than 100 customers.
- Operated over 7 product filter features based on product categories to enhance user experience.
- Have enabled users to seamlessly book real time appointments with doctors through the platform within 24 hours.

Video Streaming Platform: *Node.js, Exprees.js, MongoDB, Multer, Cloudinary*

- Devised a back-end system tailored for multimedia engagement, enhanced user interaction with videos and tweets. Executed Node.js and Express.js to drive more than 50 videos efficiently, integrated with MongoDB for scalable and robust data storage solution.
- Operated technologies such as Multer, MongoDB aggregation pipelines, and Cloudinary to ensure seamless blob data access and storage, enhanced 25% performance and reliability.
- Employed OAuth2.0 authentication for secure user authentication and authorization leading to latency reduction in the process.

8085 Microprocessor: *Logisim Software, Computer Architecture*

- Have executed a functional 8085 Microprocessor in Logisim, following Morris Mano's Computer System Architecture book. Framed a thorough instruction set encompassing arithmetic, logical, and control directives.
- Have endorsed interrupt handling mechanisms and time circuits to ensure smooth operation. The 8085 only uses 246 combinations that represent a total of 74 instructions.
- Showcased proficiency in digital logic design and microprocessor architecture principles.

Combat-Game: *HTML, CSS, JavaScript*

- Crafted a 2-player fighting game with an immersive gaming experience. Created intuitive player controls and game play mechanics for head-to-head battles.
- Employed JavaScript to handle 10% health hit under game logic, collision detection and animation.
- Showcased self-motivation, creativity, and proficiency in web development through solo project completion.