

# Hrushu Bhanvadiya

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LinkedIn




## Education

- **Nirma University** Ahmedabad, Gujarat  
*B.Tech. in Computer Science and Engineering; CGPA: 8.90/10* 2023 – Present
- **Gangotri International School** Gondal, Gujarat  
*Higher Secondary Education (PCM); JEE Main AIR: 25104; 12th: 92.4%* 2021 – 2023

## Skills

- Languages:** C, C++, Java, Python, SQL
- Web & Frontend:** HTML, CSS, JavaScript, TypeScript, React.js, Tailwind CSS, Vite
- Tools & Technologies:** Git, GitHub, Linux, MongoDB
- Soft Skills:** Communication, Collaboration, Problem-Solving, Adaptability

## Projects

- **AI HR Interview System**  Python, OpenAI API, MongoDB, Svelte
  - Developed an AI-driven interview system with GPT-based responses for candidate evaluation.
  - Implemented structured feedback and scoring algorithms to improve recruitment processes.
  - Built an interactive Svelte frontend ensuring a seamless user experience.
- **Dynamic Bandwidth Allocation Simulator**  React.js (TypeScript), Tailwind CSS, MongoDB
  - Built a full-featured web app simulating dynamic bandwidth allocation with selectable time slots, algorithms, and network types.
  - Implemented an in-browser packet tracer and terminal interface for real-time data flow visualization.
  - Displayed dynamic progress bars and charts for metrics like fairness and utilization, with CRUD operations for channels and data.
  - Utilized MongoDB to log simulation runs and user configurations for retrospective analysis.
- **Process Scheduling Algorithms Simulator**  JavaScript, HTML, Tailwind CSS
  - Simulated scheduling algorithms (FCFS, SJF, SRTN, HRRN) with dynamic process arrival and idle-time handling.
  - Generated process logs and Gantt charts reflecting CPU time allocation and idle intervals.
  - Provided a web interface for real-time process input during simulation, enabling on-the-fly queue modifications.

## Experience

- **Executive Committee Member - CUBIX'25 (Technical Fest)** Nirma University  
*Led graphic design initiatives and event organization for a major technical fest.* January 2025
- **Core Committee Member - HackNUthon 6.0 (CSI)** Nirma University  
*Handled graphic design and event management for a three-day hackathon.* 29–31 March 2025

## Coding Profiles

- **LeetCode:** Hrushu2501 (Rating: 1737)
- **Codeforces:** Hrushu2501 (Rating: 1217 - Pupil)