



# Shivam S. Ramoliya

B.Tech – Information and Communication Technology

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## Education





<b>Dhirubhai Ambani University</b> <i>CPI: 6.55</i>	2023 - Present Gandhinagar, Gujarat
<b>12TH Purohit Science School (GHSEB)</b> <i>Percentage: 83.53%</i>	2022 - 2023 Jamnagar, Gujarat
<b>10TH Krishna Science School (GSEB)</b> <i>Percentage: 95.33%</i>	2020 - 2021 Jamnagar, Gujarat

## Experience

<b>Shri Bolbala Charitable Trust</b> <i>Social Work Intern</i>	Dec 2024 – Jan 2025 Rajkot, Gujarat
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- Participated in a humanitarian project in collaboration with an NGO, helping to organize and distribute essential items such as food, clothing, and blankets to families in need across neededs, reaching and supporting over 200+ individuals.

## Projects

<b>NewsXpress – AI-Powered News Aggregation Platform</b>   <i>React, Node.js, Express.js, PostgreSQL, Python, Groq API</i> 
<ul style="list-style-type: none"><li>Developed an AI-powered personalized news aggregation platform with intelligent article summarization using the Groq SDK and multi-language translation support.</li><li>Implemented a hybrid ML recommendation engine combining content-based and collaborative filtering models in Python, integrated with a secure Node.js/Express backend and PostgreSQL database.</li></ul>
<b>TwinTrails – Spatial Navigation Laboratory</b>   <i>React, Vite, Tailwind CSS, Leaflet.js, WebGL</i> 
<ul style="list-style-type: none"><li>Built an advanced spatial navigation laboratory to compare Dead Reckoning (IMU-based inertial navigation) and Visual SLAM (camera-based simultaneous localization and mapping).</li><li>Implemented dual-path visualization using OpenStreetMap, obstacle detection via depth-based clustering, GPS integration, and real-time sensor fusion algorithms.</li></ul>
<b>Additional Projects</b>  
<ul style="list-style-type: none"><li>Explore additional projects, technical experiments, and detailed case studies on my GitHub profile and personal portfolio website.</li></ul>

## Technical Skills

**Languages:** C, C++, Python, JavaScript, SQL, Matlab, HTML, CSS  
**Developer Tools:** Git, Github, VS Code, Linux Shell, Figma, Vercel  
**Frameworks:** React.js, Vite, Node.js, Express.js, Tailwind CSS  
**Cloud/Databases:** MongoDB, Mongoose ODM, PostgreSQL, Supabase  
**Soft Skills:** Team Collaboration, Leadership, Problem Solving, Communication, Time Management  
**Coursework:** DSA, DBMS, DAA, OOPs, Introduction to ICT, Computer Networks, Human-Computer Interaction  
**Areas of Interest:** Full Stack Development, System Design, Competitive Programming, Game Development

## Position Of Responsibility

<b>Core</b> <i>Concours 2025</i>	Sept 2025 - Nov 2025
<ul style="list-style-type: none"><li>Leading Coordinator of e-Sports event named i.Clash in i.Fest 2024 in which about 500 gaming enthusiast takes part.</li></ul>	
<b>Coordinator</b> <i>i.Fest 2024</i>	Nov 2024
<ul style="list-style-type: none"><li>Leading Coordinator of e-Sports event named i.Clash in i.Fest 2024 in which about 500 gaming enthusiast takes part.</li></ul>	

## Achievements

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- Secured ACPC Rank 85 with 99.54 percentile rank in GHSEB 12TH Examination and 99.87 percentile rank in GUJCET Examination.
- Secured A.I.R. 10167 in JEE Mains with 99.1407975 percentile rank.