

DHRUV PANKHANIA

WEB DEVELOPER

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SUMMARY

Motivated Computer Engineering student with a strong interest in technology and problem-solving. Experienced in building websites and working on innovative projects involving smart devices. Enjoys creating practical, user-friendly solutions and collaborating with others. Eager to learn and take on new challenges in dynamic environments.

PROFESSIONAL EXPERIENCE

Somaiya Space Research Project (SSRP) Sept 2024 - Present

- Joined SSRP as a web developer, working on revamping their website and the development of GUIs & microcontrollers for the various competitions that SSRP participates in.

PROJECTS

Smart Irrigation System using IoT | MERN, JWT, Bcrypt, Embedded C | (Link) (Github)

- Built an IoT-based irrigation system using ESP32 & various sensors.
- Enabled real-time data monitoring, relay control, and threshold-based watering.

Food Delivery Website | HTML, CSS, & JS | (Link) (Github)

- Developed a responsive, front-end-only website for a subscription-based food delivery service.
- Deployed the website on Netlify for public access.

Model Rocket Simulations | Python, RocketPy

- Simulated the flight of a model rocket using the RocketPy library.
- Visualized key flight parameters such as altitude, velocity, and acceleration using Matplotlib-generated plots.

Smart India Hackathon (2024) | HTML, CSS, & JS

- Developed the complete front-end and optimized UI/UX for a webpage, ensuring a responsive and user-friendly design.
- Additionally, created a compelling presentation for the pitch and final round of the SIH.

SKILLS

- Languages:** C, C++, Embedded C, Python, JavaScript, HTML, CSS
- Libraries:** mongoose, Express.js, Reat.js, Node.js, three.js, framer motion, bcrypt, rocketPy
- Development Stack:** Basic MERN

EDUCATION

Bachelor of Technology, Computer Engineering K.J. Somaiya School of Engineering	Expected 2028
HSC 11th - 12th Matunga Pioneer College	77.33% 2024
SSC LKG - 10th Our Lady of Perpetual Succour High School	88.40% 2022

ADDITIONAL INFORMATION

- Languages:** Gujarati, English, Hindi, Marathi
- MHT-CET 2024:** Scored 95.9509457 %tile
- Certifications:** HTML & CSS by Jonas Schmedtmann