Harsh Rathod
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Skills

- **Programming Languages:** C++, Java.
- **Web Development:** HTML, CSS, JavaScript, React, Express, MongoDB.
- **Tools and Software:** Git, GitHub, Vs Code.

Education

- **VIT Bhopal University:** August 2021 - August 2025
  - Bachelor of Technology in Electronics and Communication Engineering: CGPA – 7.88
- **Govt. Excellence HSS School, Manawar:** July 2020 – July 2021
  - Class XII: Percentage: 93%

Projects

- **Farmer Assist Platform** | *HTML, CSS, JavaScript, React, MongoDB.*
  - Developed a web platform to help farmers access government schemes and resources efficiently.
  - Designed a responsive user interface using HTML, CSS, JavaScript, and Bootstrap.
  - Collaborated with a team to conceptualize features and ensure timely delivery.
  - Built a secure, scalable backend using MongoDB for data management.
  - Integrated user authentication and role-based access control for secure operations.
- **Food Supply Chain Management System** | *HTML, CSS, JavaScript, Reat*, Express, MongoDB
  - Developed a web-based system to streamline food distribution, inventory, and vendor coordination.
  - Designed and implemented a modern, user-friendly interface using React, focusing on intuitive user flow and accessibility.
  - Utilized React Router for seamless navigation across multiple views such as dashboard, product catalogs, and cart page.
  - Used state management techniques via React Hooks to manage UI state across components, improving responsiveness and maintainability.
  - Managed source code and collaborated via **GitHub**, using branches, pull requests, and commits to maintain version control and code integrity.
- **Energy-Savior System** | *Arduino IDE, C, IoT, Sensor Automation*
  - Built a voice-controlled hardware system with Bluetooth connectivity and automated sensors for energy efficiency.
  - Recognized as the top project in the ECE branch during a project exhibition.
  - Developed algorithms for adaptive sensor-based automation to optimize energy consumption.
  - Integrated Bluetooth modules (**HC-05**) for seamless communication with the hardware system.
  - Successfully combined voice commands, automation, and sensor technologies into a compact 3-in-1 energy-saving solution.

Experience

- **Member, AIEM Club**
  - Conducted and managed practical sessions, ensuring effective demonstrations and explanations of concepts.

Achievements

- Awarded the STARS (Support the Advancement of Rural Students) Scheme at VIT Bhopal University.
- Secured Second rank in the Alirajpur District (MP) in the high school(10th) and higher secondary (12th) examinations.

Additional Information

- Passionate about building innovative solutions in IoT and web development.
- Open to roles in software development, embedded systems, and IoT engineering.