

# ATHARVA YASHAVANT CHAVHAN

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## Education

**Sardar Patel Institute of Technology, Mumbai, India**

**Dec. 2022 – May 2026**

*Bachelor of Technology in Electronics and Telecommunication Engineering*

## Technical Skills

**Languages:** Java, C, C++, SQL, HTML

**Technologies/Frameworks:** React.js, Node.js, MongoDB, Figma

## Projects

**Smart Room Temperature Controller — MINI PROJECT | *A Ambient Climate Optimization System* May 2024**

- Engineered a Smart Room Temperature Controller leveraging IoT to enhance comfort and energy efficiency in indoor climate management.
- Using an ESP8266 microcontroller, temperature, and humidity sensors this system enables users to remotely monitor and adjust climate settings via a mobile app or web interface.
- Key features include real-time data collection, PWM-based fan control, and integration with smart home devices for customized comfort and optimized energy use.
- Hardware and Software Used:**
  - Hardware:** ESP8266 microcontroller, temperature and humidity sensors, fan actuators.
  - Software:** Mobile/web interface for control, real-time adjustment algorithms, Wi-Fi communication for remote access.

**E-Wallet System |**

**June 2024**

- Core features in the application included account creation, deposit and withdrawal operations, real-time balance inquiries, and detailed transaction histories, all built around robust database integration using JDBC and an enterprise-grade web server solution provided by Apache Tomcat.
- Designed a responsive frontend architecture with React that is dynamic and orchestrated in combination with TailwindCSS and DaisyUI, ensuring high scalability for the user interface. Utilized Zustand to optimize performance and responsiveness across the platform through an effective global state management system.
- Both the client tier and the server tier were implemented along with advanced error-handling mechanisms, thereby causing minimal disruptions to the user. Advanced protocols in terms of exception management and logging made the system stable and reliable overall.

## Position of Responsibility

**I.E.E.E Committee S.P.I.T**

**July 2023 – July 2024**

*Head of Events*

*Mumbai, India*

- I organized the extensive Bug Buster hackathon with participation from over 100 colleges and independently handled Snowcode, which included over 40+ tech enthusiasts engaging in an exciting coding battle.
- I played a key role in conducting Aarambh x Udaan, an on-boarding event for new recruits, which brought in more than 100 attendees to enjoy and have a great time. In the \*SE Hackathon, I handled logistics and sponsorships, to make sure every detail was perfect in organization and management of a great event that built my leadership and organizational skills.
- Each event strengthened my commitment to excellent events-the skill to manage events of a large scale, with high impact for confidence and dexterity, was redeveloped.

**Enactus Committee S.P.I.T**

**July 2023 – July 2024**

*Head of Operations*

*Mumbai, India*

- Led and organisation events including Lok Sabha-style debate, Blood Donation and Cloth Donation Drives.
- Effective application of communication, team work and critical thinking in engagement with students and partners; such as IEEE WIE SPIT and Raheja Hospital, built up the awareness of time management that completes the event with ease and collection of the goal set for the event.
- Strong management and community spirit; these events prove leadership and planning skills to be of high impact for educational and humanitarian needs.