DHRUV DHEMARE

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Projects

Voting App – Backend System   [GitHub Repo](#)
Technology Stack: Node.js, Express.js, MongoDB, Postman

- Developed a RESTful backend with role-based access control using JWT authentication and bcrypt password hashing.
- Enabled users to vote only once and view real-time voting results.
- Implemented secure admin features to manage candidates and restrict voting access.
- Used Postman for comprehensive testing of all API routes and edge cases.

Little Shield – Emergency Alert System for Children   [GitHub Repo](#)
Tech Stack: ESP32, Arduino IDE, Firebase, GPS (Neo-6), GSM (SIM800L)

- Developed a wearable safety device for children using ESP32 microcontroller and GPS/GSM modules.
- Implemented real-time location tracking, geofence alerts, and SOS feature with Firebase integration.
- Designed robust communication logic ensuring emergency alerts are delivered even in poor network conditions.

Education

Pune Institute of Computer Technology (PICT), Pune   CGPA: 9.38
Bachelor of Engineering in Electronics and Telecommunication
Expected Graduation: 2027

Raja Shivaji Jr. College, Chhatrapati Sambhajinagar   Percentage: 76.0%
HSC (12th)

Alphonsa English School, Chhatrapati Sambhajinagar   Percentage: 92.0%
SSC (10th)

Skills

Languages: C/C++, Python
Web Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB
Libraries and Tools: NumPy, Pandas, Matplotlib, GitHub

Achievements

- Appointed as Vice President and Design Head, Entrepreneurship Development Cell (EDC), PICT for the year 2025–26
- Event Head, Entrepreneurial Hunt, PICT – Entrepreneurship Development Cell (EDC) for the year 2024-25
- Organizing Team Member, Magnate – EDC Flagship Event, PICT for the year 2024-25