Om Pawar

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EDUCATION

Vellore Institute of Technology   **November 2022 - May 2026**
Bachelor in Technology in Computer Science
Cgpa- 8.09

Shevgaon English Medium Jr. College   **July 2022**
12th - MAHA HSC Board

Nirmal Bright Future School   **July 2020**
10th - CBSE Board

TECHNICAL SKILLS

Languages: C++, JavaScript, HTML5, CSS3, SQL.
Frameworks/Tools: Node.js, MySQL, MongoDB, React.js.
Concepts: OOPs, Full-stack Development.

PROJECTS

Hospital Management System | *Java, MySQL, PHP, HTML, CSS, JavaScript*   **April 2024**
- Deployed a scalable full-stack EHR system with Spring Boot & React.js, centralizing 500+ patient records and streamlining 100+ daily appointments to boost operational efficiency by 40%.
- Optimized a 15+ table MySQL database schema with complex queries and stored procedures, accelerating query response times by 45% and ensuring robust data integrity.
- Developed a responsive React SPA with a mobile-first design, leveraging hooks and component architecture to cut patient booking time by 30% and significantly improve engagement.
- Architected a secure RBAC system with Spring Security, enforcing HIPAA-compliant access controls to safeguard sensitive PHI for doctors, nurses, and administrators.
- Containerized the application using Docker and implemented CI/CD pipelines with Jenkins to enable consistent deployment environments, automate testing, and reduce release cycle time by 50%.
- Integrated RESTful APIs for real-time data synchronization between modules, eliminating data latency and improving system interoperability by 60%.

Tomato- A food delivering website | *MongoDB, Express.js, React.Node.js*   **October 2024**
- Implemented asynchronous Stripe payment integration with webhook handling and secure tokenization, reducing checkout completion time by 35% and improving user satisfaction scores by 28% across 1,000+ beta users.
- Built robust RESTful API architecture with JWT authentication and rate limiting, featuring 15+ endpoints for CRUD operations that achieved zero failed transactions and 99.9% uptime during 3-month beta testing with 500+ daily active users.
- Optimized MongoDB database schema with proper indexing and aggregation pipelines, increasing query performance by 15% and reducing data inconsistencies by 22% while enabling real-time order tracking.

Full-Stack Weather Application | *HTML, CSS, JavaScript, React*   **December 2024**
- Developed responsive weather application with OpenWeatherMap API integration, geolocation services, and 7-day forecasts covering 50,000+ global locations with 95% accuracy rate for comprehensive weather tracking.
- Implemented performance optimizations including local Storage caching, API debouncing (300ms delay), and react. Memo, achieving 40% performance improvement with sub-100ms load times and 60% API cost reduction.
- Integrated React-Chart.js and D3.js for interactive weather visualizations, boosting user engagement 45% and cutting bounce rate from 35% to 18%.

ADDITIONAL INFORMATION

Languages: English (Professional Working Proficiency), Marathi (Native), Hindi (Fluent)
Volunteering: Led regional clubs and contributed to open-source projects improving web accessibility and performance.

CERTIFICATIONS

- **Full stack Development with MongoDB:** Certified in Full-Stack Development, mastering the MERN stack**. LINK**
- **SQL (Basic) – Hacker Rank:** Earned Hacker Rank SQL certification. **LINK**
- **Infosys Springboard React :** Earned Infosys React certification, validating skills in building user interfaces. **LINK**
- **IBM Gen-Ai certificate:** Earned IBM Gen AI certificate, developing new skills in AI**. Link**