

Hemil Patel

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EDUCATION

- **Charusat University, Anand, Gujarat, India**
Bachelor of Technology - Computer Science and Engineering; CGPA: 9.65 *July 2023 - Present*
- **Lokmanya Vidhyalaya, Rander, Surat**
Higher Secondary Certificate (HSC) - Science Stream; 78% *2021 - 2023*
- **Smt. I. N. Tekrawala High School, Surat**
Secondary School Certificate (SSC) - 81% *2020 - 2021*

SKILLS SUMMARY

- **Programming Languages:** Java, JavaScript, C, C++, Python, SQL
- **Frameworks & Tools:** Node.js, React.js
- **Database:** MongoDB, XAMPP
- **Soft Skills:** Time Management, Team Coordination, Self-learning, Resilience

PROJECTS

- **Jay Jalaram Electricals – Portfolio and Billing Management System** [Live Demo] *2025*
Full-Stack MERN Web Application
 - Replaced manual, paper-based billing and client records with a digital system.
 - Automated GST-compliant invoice generation with accurate calculations.
 - Implemented secure, role-based access for Admin, Employee, and Client users.
 - Developed a portfolio module to showcase completed projects and build client trust.
- **Event Management System** [Link] *2025*
Python-Based Application
 - Designed a centralized platform for event creation and user registrations.
 - Enabled real-time event tracking with admin approval workflows.
 - Provided separate dashboards for admins and users.
 - Implemented using Python and Gradio with CSV-based persistent storage.
- **FreshTrack** [Link] *2025*
Full-Stack MERN Application
 - Developed an inventory management system to minimize food wastage in retail.
 - Integrated AI-based demand prediction for smarter stocking decisions.
 - Applied expiry-based dynamic discounting and donation tracking.
 - Visualized inventory, sold, donated, and expired items using dashboards.

ACHIEVEMENTS & CERTIFICATIONS

- Solved 450+ Data Structures and Algorithms problems across multiple platforms. [Codolio]
- Winner - Technical Treasure Hunt (DSA-Based), Department Level (2024).
- NPTEL Certifications: Design and Analysis of Algorithms; Data Structures and Algorithms using Java; Database Management Systems (DBMS).
- Getting Started with AI on Jetson Nano - NVIDIA.