

NILESH PARMAR

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SUMMARY

A Computer Engineering student with a solid foundation in web development and programming. Skilled in JavaScript, Java, SQL, and various frameworks like React and Node.js. Passionate about solving real-world problems through technology and eager to gain hands-on experience in software development.

EDUCATION

B.E., Computer Engineering

Gujarat Technological University, Ahmedabad
Government Engineering College, Modasa

Expected Graduation 2026

7.0 / 10 CGPA

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, Python, SQL, HTML, CSS

Frameworks/Libraries: React, Node.js, Express, Tailwind CSS

Developer Tools: Git, GitHub, MongoDB, PostgreSQL, REST APIs

ACADEMIC PROJECTS

Full-Stack Airbnb Clone Web Application

Built a feature-rich responsive Airbnb clone web app to simulate real-world rental platform functionality.

- Implemented auth, listings, booking, and payments using REST APIs and JWT security.
- Built responsive UI with Tailwind CSS and dynamic search/filter for better UX.

FrameInfo – Intelligent Video Frame Analysis Tool

Developed desktop app using Electron.js - VLC API and FFmpeg to analyze paused video frames.

- Built frame analysis to detect visuals and simplify subtitles for better understanding (HTML, CSS, FFmpeg).
- Integrated VLC controls with custom UI for smooth playback and real-time frame insights.

Full-Stack Weather Forecast Web Application

Developed a responsive weather forecasting site using React and third-party weather APIs

- Fetched and displayed real-time weather data using RESTful API integration with a clean React-based UI.
- Implemented search functionality with location-based weather details, including temperature, humidity, and forecasts.

ACADEMIC INTERNSHIPS

Intel AI for Manufacturing Internship Program

February 2025 – Present

Completed an academic internship focused on advanced manufacturing technologies, provided by GTU and Intel

- Explored applications of AI in manufacturing, including computer vision, predictive maintenance, and RPA through weekly hands-on sessions.
- Collaborated on an industry-relevant AI project and participated in workshops on model deployment, demand forecasting, and ethical AI practices.

Cyber Gyan – Ethical Hacking and Penetration Testing

July 2024 – September 2024

Completed a 25-hour online training program by C-DAC NOIDA under MeitY, Govt. of India

- Gained hands-on experience in ethical hacking techniques and penetration testing tools to assess system vulnerabilities.
- Explored real-world cyberattack scenarios and defense mechanisms, enhancing practical cybersecurity awareness.

ACTIVITIES

- Participated in Smart India Hackathon – 2024 with project *Safety Management for Coal Mines* (November 2024).
- Participated in Code Fusion organized by the Technopreneur Club (February 2025).
- Completed AI for Entrepreneurship micro-learning module organized by NSDC and Intel India (March 2025).