Patel Vatsal

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LinkedIn — GitHub — Portfolio

Professional Summary

Software Engineering student pursuing a B.Tech in Information Technology with hands-on experience in full-stack web development. Experienced in building responsive web applications, REST APIs, database-driven applications, authentication workflows, real-time communication systems, and third-party API integrations. Strong working knowledge of JavaScript, Node.js, Express.js, MySQL, MongoDB, HTML, CSS, and React.js, with practical experience developing and deploying multiple web projects.

Education

Institute of Advance Research, Gandhinagar 2025 – 2028
B.Tech in Information Technology CGPA: 8.5/10

Government Polytechnic Gandhinagar 2022 – 2025
Diploma in Information Technology GPA: 8.6/10

Experience

IBM SkillsBuild Virtual Internship
Frontend Development Intern

- Completed a virtual frontend development internship focused on building web interfaces using HTML, CSS, and JavaScript.
- Applied frontend development concepts including responsive layouts, webpage structure, styling, and JavaScript-based interactivity.

Patel Web Solutions Internship
Frontend Developer Intern

- Completed practical frontend development training focused on building responsive and interactive web interfaces.
- Worked with HTML, CSS, and JavaScript to implement webpage layouts, styling, and client-side functionality.

Projects

Online Workout Platform HTML, CSS, JavaScript, Node.js, Express.js, MySQL

- Developed a full-stack workout platform for managing workout programs, members, trainers, and workout resources.
- Built backend REST APIs and integrated database operations for storing and retrieving workout-related information.
- Structured application data and integrated external workout resources for a centralized workout management experience.

Secure Chat Application JavaScript, Node.js, Peer.js, PeerServer

- Developed a real-time peer-to-peer chat application using Peer.js for direct communication between users.
- Implemented peer and session-based communication and explored secure communication using HTTPS and a self-hosted PeerServer.

Weather Application JavaScript, Node.js, React.js, REST API

- Developed a weather application that retrieves and displays live weather information using an external weather API.
- Implemented API integration, JSON data handling, and dynamic rendering of weather information.

Personal Portfolio Website HTML, CSS, JavaScript, Express.js, EmailJS, Firebase

- Designed and developed a responsive portfolio website to showcase projects, technical skills, and professional information.
- Integrated contact functionality and deployed the website using Firebase Hosting.

Campus Connect HTML, CSS, JavaScript

- Developed a student-focused web platform designed to connect students through campus activities and community features.
- Implemented features for events, lost-and-found information, and anonymous student confessions.

Cricket Score Counter React.js, JavaScript, HTML, CSS

- Developed an interactive cricket score counter for managing and displaying match scores dynamically.
- Implemented interactive score updates and dynamic UI rendering using React components and state management.

Technical Skills

Languages:	JavaScript, Java (Basics), SQL, HTML, CSS
Frontend:	HTML5, CSS3, JavaScript, React.js, Bootstrap, Tailwind CSS
Backend:	Node.js, Express.js, REST APIs, API Integration, JSON
Databases:	MySQL, MongoDB, Database Design, CRUD Operations, Database Normalization
Tools:	Git, GitHub, Postman, npm, VS Code, DBeaver, MongoDB Compass
Web Technologies:	Axios, CORS, Cookies, JWT, EmailJS, Nodemailer, Multer
Security:	Authentication, Password Hashing, JWT, HTTPS, SSL/TLS, Secure Communication
Deployment:	Firebase Hosting
Real-Time:	Peer.js, PeerServer, WebRTC Concepts

Certifications

- **The Complete Web Development Bootcamp** – Udemy, Angela Yu
- **Cybersecurity Certification** – Deloitte
- **Frontend Development Virtual Internship** – IBM SkillsBuild
- **Frontend Developer Internship Certificate** – Patel Web Solutions

Additional Information

Languages: English, Hindi, Gujarati