

DHRUVIBEN PATEL

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EDUCATION

University of Houston – Clear Lake

Master of Science in Computer Science – GPA: 3.7 / 4.0

Silver Oak University

Bachelor of Engineering in Computer Science / Information Technology – GPA: 3.9 / 4.0

Houston, TX

Aug 2024 – May 2026

Gujarat, India

Aug 2020 – May 2024

TECHNICAL SKILLS

Languages: C#, Python, JavaScript, TypeScript, SQL, HTML5, CSS3

Backend & APIs: .NET 10, EF Core, Node.js, Express.js, REST API, Socket.IO, JWT Auth, MVC, OOP

Frontend & UI: React 19, Redux, Zustand, Vite, Tailwind CSS, Bootstrap, SEO Optimization, Figma

Databases: PostgreSQL, MySQL, MongoDB

Strong Experience: Google Cloud, Docker, CI/CD, Git, GitHub, Azure DevOps, Cloudinary, Render, Postman, Figma

Working Knowledge: AWS (S3, EC2, SQS), Kubernetes, Vector Databases

Testing & Practices: Unit Testing, QA, Agile/Scrum, RESTful Design

EXPERIENCE

Software Engineer Intern

Jan 2026 – May 2026

Bigblue Technologies

Remote – Costa Mesa, CA

- Stabilized the flagship SwiftUI iOS app ahead of its early-access launch, clearing production-blocking bugs so its first ~200 early adopters landed on a reliable experience.
- Stood up the product's first QA and unit-test coverage, catching regressions before release and shipping three consecutive release cycles with zero post-launch regressions.
- Rebuilt the company marketing site (thebigblue.app), lifting its Lighthouse score from 60 to 95 and improving Core Web Vitals and SEO health.

Software Engineer Intern

Aug 2022 – Oct 2023

Biztech Consulting & Solutions

Ahmedabad, India

- Shipped a document-upload pricing feature that gave customers instant, accurate per-document quotes as they uploaded files, built with a React frontend over REST APIs.
- Fixed incorrect prices customers were seeing by centralizing upload and pricing state in Redux, giving users consistent, real-time UI updates as they added documents.
- Diagnosed and resolved API integration failures by adding request validation and error handling, reducing failed upload submissions by 35% and improving form reliability.
- Collaborated in an Agile team using React, Redux, and Bootstrap, shipping reviewed code weekly and incorporating mentor feedback in code reviews.

PROJECTS

NASA Fitness & Space Center Telehealth Platform

.NET 10, EF Core, React 19, PostgreSQL

- Delivered a telehealth platform that lets patients complete medical clearance online and clinicians review it, replacing a 7-year-old .NET Web Forms system with a React 19 + Vite frontend over a .NET 10 / EF Core REST API.
- Automated physician clearance so a signed form reaches the clinic reliably, generating HIPAA-compliant PDFs and delivering them over a dual-transport fax pipeline (RingCentral + SMTP) with TLS and a database-level audit trail.
- Protected patient health data with JWT authentication, BCrypt-hashed credentials, and role-based access across four tiers, enforcing per-record ownership checks at the service layer.

Realtime Chat Application

React, Node.js, Socket.IO, MongoDB, JWT

- Built a 1:1 chat experience with instant message delivery and live online/offline presence, so users always know who's available, powered by Socket.IO targeted delivery.
- Secured authentication with JWT in httpOnly cookies, bcryptjs password hashing, and a protectRoute middleware validating tokens on every protected API call.
- Added in-chat photo sharing backed by Cloudinary and set up GitHub auto-deploy on Render for fast, repeatable releases.

RESEARCH & PUBLICATIONS

Artificial Intelligence Investment as a Strategic Signal: Implications for Stakeholder Confidence

2026

Published research in IJESRT (2026) exploring how AI investment influences stakeholder confidence.

ACHIEVEMENTS

Participant, Google Cloud Rapid Agent Hackathon – Devpost

2026

Built a collaborative workspace where AI agents automatically summarize discussions, retrieve project knowledge, and assist teammates in real time.