

SHIV PATEL

Ankleshwar, Bharuch, Gujarat

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Brief Summary

Passionate full-stack developer with expertise in building scalable web applications using the **MERN stack** (MongoDB, Express.js, React.js, Node.js). Proficient in **frontend optimization, real-time communication, and backend architecture, ensuring high performance and security.** Experienced in implementing lazy loading, microservices, GraphQL, and request limiting to enhance system scalability. Additionally, skilled in **.NET Core and ASP.NET MVC**, with a strong foundation in data structures and algorithms for efficient problem-solving.

Education

Parul Institute of Engineering and Technology

Sep. 2021 – May 2025

Bachelor of Technology in Computer Science and Engineering CGPA : 8.17

Vadodara, Gujarat

Swami Vivekanand English Mediam (Gujarati Mediam) School

2021

Higher Secondary Education (12th) 73%

Ankleshwar , Gujarat

Experience

Winter Internship - 2025 By TheSSML

Jan 2025 – Apr 2025

React.js Intern

Vadodara, Gujarat

- Strengthened React.js skills by implementing lazy loading and efficient component structuring, improving performance by 20% in HelloFox AI.
- Enhanced data handling by **applying DSA concepts in JavaScript**, structuring input data for user display, and constructing two different PDF formats for downloads.
- Solved request timeout errors using Socket.io** and implemented route protection to improve security and ensure a seamless user experience.

Summer Internship - 2024 By ByteXL

May 2024 – July 2024

Full Stack Developer Intern (MERN Stack)

Vadodara, Gujarat

- Learned React best practices, including lazy loading and efficient component structuring, to optimize performance and reduce unnecessary re-renders.
- Gained experience in building a **scalable backend using Node.js, Express, Redis, and GraphQL, implementing microservices architecture** and security measures like **request limiting and DDoS protection.**
- Explored MongoDB for efficient data management and implemented **RabbitMQ for inter-service communication** to enhance system scalability.
- Understood and applied route protection and security best practices to improve the security and reliability of web applications.

Technical Skills

Programming Languages : JavaScript , TypeScript , C# , Python , SQL , C++ , HTML/CSS

Developer IDEs : Visual Studio , Eclipse , Google Colab

Technologies/Frameworks : React.js, Next.js, Express.js, MongoDB, Tailwind CSS, Node.js, WebSockets, Redis, RabbitMQ, GraphQL, MySQL, Microsoft SQL Server, Git & GitHub, Linux, ASP.NET, .NET Core

Projects

Blog Site | *React , MongoDB , Node , Express , Redis , GraphQL , RabbitMQ*

- Developed a **MERN stack Blog Site**, implementing React best practices like **lazy loading to improve performance and reduce re-renders**.
- Built a **scalable backend using Node.js, Express, Redis, and GraphQL**, integrating **microservices, request limiting, and DDoS protection for security**.
- Utilized MongoDB for efficient data storage and **implemented RabbitMQ for inter-service communication, ensuring seamless and secure data handling**.

Localify | *React , MongoDB , Node , Express , JWT , Tailwind CSS, Nodemailer*

- Developed Localify, a **shop website builder using the MERN stack**, enabling shopkeepers to create stores with pre-built themes and product management.
- Focused on the React frontend, implementing JWT authentication and Nodemailer email notifications, with additional backend support in a team of four

Chat App | *React , socket.IO , MongoDB , Node , Express , JWT , Tailwind CSS*

- Developed a **real-time chat application using the MERN stack**, featuring individual/group chats, real-time updates (Socket.IO), secure authentication (bcrypt.js), and media sharing (Multer, Cloudinary).
- Built the frontend with React.js, Tailwind CSS, and Zustand, ensuring a responsive UI, and deployed with MongoDB Atlas for scalability and reliability.

RoleVista | *React , MongoDB , Node , Express , JWT , Tailwind CSS , Cloudinary, Nodemailer*

- **Developed a role-based access control system with Admin, Sub-Admin, and User roles**, implementing secure authentication (JWT) and email verification (Nodemailer).
- Optimized data handling with MongoDB, reducing data retrieval time by 25%, leading to faster project completion and improved team productivity.

CERTIFICATIONS

JavaScript Mastery learn HTML, CSS, and JavaScript. - Udemy

Foundational C# with Microsoft - freeCodeCamp & Microsoft

Git and GitHub for Beginners - Udemy

MySQL Database Mastery - Udemy

Crash Course on Python - Coursera

Software Engineering - NPTEL

Data Analytics with Python - NPTEL

Extracurricular

PU CODE HACKATHON 1.0

March 2024

- * Participated in PU Code Hackathon 1.0, a 36-hour event, as part of a 4-member team. Secured a top 10 position among numerous competing teams.
- * Handled the backend development during PU Code Hackathon 1.0. Gained valuable experience in building and managing backend systems under a tight deadline.

React Js

18 - 20 Mar, 2024

- * In this Seminar We learned about the frontend designing with the react js.

CODING PLATFORMS

- Solved **190+** Problems on **Leetcode**. Link : leetcode.com/u/Shiv031
- Solved **250+** Problems on **GeeksForGeeks**. Link : [geeksforgeeks.org/user/patelshlqxl](https://www.geeksforgeeks.org/user/patelshlqxl)