

HET PATEL

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EDUCATION

Northeastern University, *M.S. Information Systems, GPA: 3.61* Boston, MA | Sep 2023 – May 2025

- Relevant Coursework: Web Development, Network Structures & Cloud Computing

Gujarat Technological University, *B.E. Computer Science, GPA: 3.76* Gujarat, India | Aug 2016 – Jun 2020

- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming (OOPs), Core Java

TECHNICAL SKILLS

Programming Languages:	HTML, CSS, JavaScript, Java, Python, SQL
Web Technologies:	React, Node.js, Express, Spring Framework, REST APIs, Jest, JUnit, MVC
Databases and Tools:	MySQL, PostgreSQL, NoSQL (MongoDB, Redis), AWS, Git, Docker, Kafka
Methodologies:	Test-Driven Development, SCRUM, Software Development Lifecycle

WORK EXPERIENCE

Software Engineer, *Silver Webbuzz Private Limited* Gujarat, India | Sep 2021 – Aug 2023

- Developed a Node.js media pipeline using **AWS Lambda**, **S3**, and **CloudWatch**, improving storage efficiency by 40% while sustaining a **throughput** of **50 files per minute**
- Integrated **Docker & Jenkins CI/CD** for Node.js app, reducing deployment time by 75% and **enhancing codebase reliability**
- Designed an e-procurement site using **Spring Boot microservices** and **Kafka**, deployed it on AWS ECS with Docker
- Constructed a **React** and **TypeScript** e-commerce platform, utilizing **AWS S3**, **CloudFront**, and **Route 53** for hosting and global content delivery, achieving a 4.9 out of 5 rating in a client satisfaction survey
- Spearheaded testing and **debugging** using **JUnit & Mockito** for a Spring Boot app, accelerating delivery time by 2 weeks
- Automated PDF data extraction for a healthcare site using **Python & GPT-4 LLM**, reducing manual entries by 78%

Software Engineering Intern, *ShineStar Web Solutions* Gujarat, India | Dec 2019 – Apr 2020

- Orchestrated automated tax invoicing feature for a fintech app using **React**, **Node.js**, & **MongoDB** handling 500+ invoices daily
- Conducted **end-to-end testing** of a **React** app using **Jest** and **TDD principles**, increasing code coverage by 75%
- Authored **technical documentation** for React & Node.js codebases using **Docusaurus** for better developer support
- **Collaborated** with the UI team to redesign over 15 key features using **React** and MaterialUI for a better user experience

PROJECTS

Chat-Stream ([Link](#)) | *Node.js, Kafka, Redis, Postgres, React, TypeScript* Apr 2024 – Jun 2024

- Coded a messaging system with Socket.io and **Node.js** for seamless user interactions, resulting in faster message transmission
- Built a **messaging pipeline** with **Kafka & Redis** for reliable high-throughput data streams, reducing system downtime by 20%
- Optimized data storage solution with **PostgreSQL**, **reducing latency by 40%** and enabling efficient user data handling
- Programmed the frontend using **React** and **TypeScript** to build a responsive and dynamic interface for a smooth user experience

Climate Care ([Link](#)) | *React, Typescript, Node.js, MongoDB, Redux, Material UI* Mar 2024 – Apr 2024

- Engineered a climate awareness app using **React & Node.js**, following **Agile Scrum methodology** for rapid development
- Incorporated **JWT** for secure, **role-based authentication**, improving user-access control and application **security**
- Deployed **Node.js** code using **AWS EC2** and React on **GitHub Pages**, with **CI/CD via GitHub Actions**

Personal Portfolio ([Link](#)) | *NextJs, Typescript, Github Actions, TailwindCSS, GSAP* Feb 2024 – Mar 2024

- Created portfolio using **Next.js** and **Typescript**, implementing **server-side rendering**, simplifying client-side state management
- Devised **React Suspense** and **Lazy loading** for **code-splitting**, improving initial load time from **600ms to 250ms**
- Implemented CI/CD pipeline via **GitHub Actions**, cutting **deployment time by 60%** and ensuring seamless releases