

Harshil Patel

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EDUCATION

Master of Science, Software Engineering

Aug 2023 - May 2025

San Jose State University, San Jose, California

- Coursework : Software Systems Engineering, Enterprise platforms, Data Mining, Enterprise Distributed Systems

Bachelor of Engineering, Information Technology

Jul 2017 - Jul 2021

Gujarat Technological University, Gujarat, India

- Coursework : Data structures and Algorithms, Database Systems, Object Oriented Programming, Web Technology

TECHNICAL SKILLS

Languages: Javascript, Typescript, C/C++, C#, Python, EQL (ElasticSearch), HTML, CSS, Shell, Bash, Java, SQL

Frameworks: Node.js, HapiJS, Material-UI, Angular, Express.js, SASS/SCSS

Tools: Git, Docker, Kibana, Jenkins, MongoDB, Kubernetes, Linux/Unix, Bitbucket, SSH, Jira, NoSQL, Agile, Scrum

Libraries: React, Redux, Socket.io, Styled Components, Tailwind, Bootstrap, Webpack, DOM, CI/CD, Pub/Sub, Storybook

EXPERIENCE

Software Engineer, AividTechvision, Ahmedabad, India

Jul 2021 - Jul 2023

- Contributed to in-house React UI library to create reusable components saved 125+ hours of development per month and maintained storybook documentation
- Mentored 3 junior front-end developers on React and documented best practices within organization
- Transformed Figma UI/UX designs into tangible, functional reality, showcasing proficiency in translating design concepts into live interfaces
- Elevated Sonarqube test case coverage from 70% to 98%, following thorough quality assurance practices
- Reduced storage costs by 5x and extended data retention from 1 month to 6 months by architecting a rollup system, allowing efficient historical analysis
- Saved 5+ hours per dashboard/page by building a CLI for instant page & route creation utilizing boilerplate components, generating specific dashboards with proper naming
- Built a custom plugin (ReactJS+Hapi) to extract KPIs from billions of logs (generated by Computer vision bots) and plot insightful dashboards to assess trends and outliers, resulting in a 30% boost in actionable insights

Software Engineer Intern, AividTechvision, Ahmedabad, India

May 2021 - Jun 2021

- Integrated and optimized third-party APIs (Slack, GitHub, Jira, Twilio) to automate data exchange, resulting in a 40% reduction in manual data entry and a 30% increase in team productivity
- Employed Hapi framework for server implementation, using JSON-based Query DSL to interact with Elasticsearch
- Orchestrated a 20% improvement in state management efficiency in React by synergizing Redux and the Context API, optimizing data handling through react-query caching
- Engineered an automated Inspection Report using Puppeteer, NodeJS, and cron jobs to provide clients with scheduled and regular site/business updates providing charts, CSVs and camera shots/clips

Software Engineer Intern, Srcout, Remote

Mar 2021 - Apr 2021

- Developed E-learning platform with Angular featuring student performance tracking and data visualization
- Integrated Zoom features into Angular frontend and NodeJS backend, facilitating live e-board and authorization via WebSDK

PROJECT EXPERIENCE

ClubHub Live, ReactJS, NodeJS, Express, MongoDB, Tailwind

Jun 2020 - Dec 2020

- Designated discovery of nearby events and clubs by integrating Google Maps API, supplemented by MongoDB's geospatial search for precise location-based results
- Integrated OAuth authentication for secure sign-up processes, facilitating seamless registration via Facebook and Google platforms
- Programmed time-based event reminders and personalized promotional email campaigns, utilizing EJS templates and Mailchimp's SMTP servers for optimal impact

Society Scenes, PHP, Javascript, MySQL, Bootstrap

May 2019 - Jun 2019

- Constructed a web app streamlining housing society tasks, encompassing real-time parking allotment, maid authorization, virtual notice board, payment gateway, facilities booking, complaint tracking, and inventory/resource management

ACHIEVEMENTS

Top 1.25% in CodeChef October Challenge
participants

263 out of 20,000+

Top 1.19% in CodeChef September Challenge
participants

357 out of 30,000+

Top 3.5% in Facebook Hackercup round
participants

1167 out of 32,000+