

KSHATRIYA SAMIR SINGH

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Skills

- C | C++ | Java | JavaScript | Python | HTML | CSS3 | SASS | JSON | CS fundamental (OS, CN) | DBMS | MYSQL
- SQL | React Js | jQuery | Git | GITHUB | DSA | VSCode | IntelliJ IDEA | Frontend | English, Hindi, Gujarati - *All professional proficiency or above*

Experience

Front-End Engineer

IT Path Solutions

Ahmedabad, Gujarat (01/2023 - 03/2024)

- Engineered responsive web solutions with HTML5, CSS3 (including SASS/SCSS), and React.js, driving a **30% increase** in page load speed and a **20% rise** in user retention.
- Optimized code to address performance bottlenecks, resulting in a **25% decrease in page load times** and enhanced user experience. Addressed performance bottlenecks by implementing code optimizations such as **code splitting**, **bundle size reduction**, and **lazy loading**, resulting in **faster page load times** and **improved user experience**.
- Actively participated in daily stand-ups and **sprint planning meetings**, using tools like **Microsoft Teams** to facilitate communication and collaboration with **team members**. Mentored Senior developers, sharing knowledge and best practices related to front-end development, version control and deployment strategies.
- Collaborated with clients to gather requirements, providing technical guidance and insights into front-end trends, leading to a **15% increase in client satisfaction**.
- Received positive feedback from **90% of clients**, surpassing their expectations with high-quality, user-friendly web applications.

Web Developer, Intern

Elite Evince Technologies

Ahmedabad, Gujarat (07/2022 - 12/2022)

- Contributed to the development of the **Client project**, implementing front-end features and enhancements that resulted in a **5% increase** in website traffic and a **15% improvement** in user engagement metrics.
- Mastered front-end development tools, boosting productivity by **20%** and streamlining the development process. Acquired hands-on experience with front-end development tools and technologies, including HTML, CSS, JavaScript, JSON, Git and GitHub.
- Actively participated in **code review sessions**, providing feedback on code quality and best practices to peers and senior developers. Engaged in daily stand-ups and sprint planning meetings, contributing ideas and insights to project discussions and demonstrating effective teamwork and communication skills.
- Implemented search algorithms, resulting in a **30% improvement** in data retrieval speed and efficient organization of large datasets. Implemented search algorithms like **linear search** or **binary search** to quickly **retrieve information** from large **datasets** within the web application. Utilized sorting algorithms such as **bubble sort**, **merge sort** or **quicksort** to efficiently organize and **display data** on the client side.

Projects

- **ForeCastify**: Developed a weather application, which garnered **over 10,000 views** and positive user feedback for its functionality and design. Used HTML, CSS and JavaScript involving fetching weather data from weather API using "**OpenWeatherMap API**" and displaying it on the web page. Link to visit Project [ForeCastify](#).
- **ToDoForge (To track ur task)**: Designed a task tracking application, utilized by **500+ users**, streamlining task management and increasing productivity. Link to see the project [ToDoForge](#).
- **CodeCascade**: Engineered a dynamic portfolio website using HTML, CSS, and JavaScript, integrating GSAP animation libraries for enhanced visual appeal and interactivity; attracted **1000+ visitors** and showcased technical prowess and creativity [CodeCascade](#).

Education

Bachelor's of Engineering

SAL INSTITUTE OF TECHNOLOGY AND ENGINEERING RESEARCH

Ahmedabad, Gujarat (07/2019 - 05/2023)

- Major in Computer Engineering
- 8.85 CGPA

Other Experience

Visiting Faculty, Contract

LJ UNIVERSITY

Ahmedabad, Gujarat (07/2023 - 03/2024)

- Developed and implemented interactive lesson plans and hands-on exercises covering diverse topics such as inheritance, polymorphism, JDBC, SQL, data structures, algorithms, memory management, and process synchronization increased student engagement and comprehension by **40%**.
- Directed interactive coding workshops and hands-on programming labs for **50+ students**, enhancing coding proficiency by **40%** through targeted instruction on debugging techniques, problem-solving skills, and coding best practices.
- Delivered engaging lessons and workshops, resulting in **90% student participation** and improved understanding of complex topics.
- Introduced cutting-edge software development methodologies and industry trends to students, equipping them with essential skills for success in the fast-paced IT sector.
- Administered assessments, leading to **80% average student proficiency** in programming languages and software development concepts.
- Designed and administered quizzes, assignments and exams to assess students' understanding of course materials and evaluate their progress and proficiency in programming languages and software development concepts.