

Alay Patel

Ahmedabad, Gujarat [9558002881](tel:9558002881) alaypatel140903@gmail.com

Profiles

 [AP1493](#)

 [alayp_1493](#)

 [alay-patel](#)

Education

Nirma University
Computer Science & Engineering
8.56 CGPA

2021 - 2025
B.tech

Summary

I am a passionate full-stack developer committed to creating smooth and intuitive websites. With expertise in React.js, Next.js and Nodejs I develop dynamic applications that work seamlessly across platforms. On the backend, I specialize in Node.js, Express.js, Strapi and Payload CMS to build scalable APIs, while efficiently managing databases such as MongoDB and PostgreSQL.

Skills

Payload CMS

CSS3

React.js / Next.js

Java

DSA

Strapi CMS

TailwindCSS, Shadcn

Node.js / Express.js

C / C++

HTML5

JavaScript / TypeScript

PostgreSQL / MongoDB

Python

Experience

The Special Character
Full Stack Development Intern
<https://thespecialcharacter.graphy.com/>

Jan 2025 - Present
Ahmedabad

Currently, I am working as full stack developer intern in this company. I am leading the team for our current project procurement ERP system which aims to reduce the manual data entry and inventory management load in manufacturiung sector.

The Special Character
Backend Development Intern
<https://thespecialcharacter.graphy.com/>

June 2024 - July 2024
Ahmedabad

I worked as a Backend Developer Intern at The Special Character, where I built APIs and implemented user authentication. I also managed role-based access control, assigning appropriate roles to users based on authentication. Additionally, I organized regular demo sessions with clients to showcase progress and gather feedback.

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| Projects | <div data-bbox="338 62 692 91">Procurement ERP System</div> <div data-bbox="1442 62 1560 91">Ongoing</div> <div data-bbox="338 105 968 134">Payload CMS, Next.js, Tailwind CSS, PostgreSQL</div> <div data-bbox="338 159 1560 360"> <p>The project outlines a workflow for managing production and order fulfillment, starting from, inquiry creation to final delivery. It involves checking formulation availability, inventory levels, and initiating production if necessary. The process includes tracking production, recording details, and managing raw materials through vendor interactions. It attempts to reduce the workload of manual data entry in the ERP system.</p> </div> |
| | <div data-bbox="338 403 769 432">Buildwise Architectural Project</div> <div data-bbox="338 445 692 474">Strapi, Next.js, PostgreSQL</div> <div data-bbox="338 499 1560 701"> <p>I designed and developed a project management system for civil architecture projects, optimizing material resource management. The system automated material calculations based on architectural specifications and featured real-time tracking, automated estimation, and inventory management. By reducing manual calculations and errors, it streamlined planning, enabling data-driven procurement and better cost control.</p> </div> |
| | <div data-bbox="338 743 502 772">TypeFast AI</div> <div data-bbox="338 786 502 815">MERN Stack</div> <div data-bbox="338 840 1560 1081"> <p>I developed a web application for generating marketing content across six social media platforms. The platform allows users to customize key parameters such as tone, goals, target audience, and content style to align with their marketing strategy. By streamlining content creation, it helps businesses maintain a consistent brand voice while optimizing engagement across different platforms, making social media marketing more efficient and effective.</p> </div> |
| | <div data-bbox="338 1124 786 1153">Appointment Scheduling System</div> <div data-bbox="338 1167 994 1196">Reactjs, Nodejs, Expressjs, MongoDB, Tailwindcss</div> <div data-bbox="338 1220 1560 1422"> <p>I developed a full-stack Appointment Scheduling System with features such as user authentication, appointment booking, calendar integration, appointment cancellation, and doctor search. Built using the MERN stack, the system ensures security with JWT authentication, encrypts passwords with bcryptjs, and manages data efficiently using Mongoose.</p> </div> |
| | <div data-bbox="338 1464 496 1494">SneakStore</div> <div data-bbox="338 1507 502 1536">MERN Stack</div> <div data-bbox="338 1561 1560 1722"> <p>I developed the user interface using React and TailwindCSS, ensuring a responsive and visually appealing design. On the backend, I utilized Node.js and Express to build a robust and efficient server-side architecture. Additionally, I integrated secure payment processing with Stripe and implemented Google authentication for seamless and secure user login.</p> </div> |
| | <div data-bbox="338 1765 772 1794">Stock Trend Prediction Website</div> <div data-bbox="338 1807 662 1836">Python, Streamlit, Keras</div> <div data-bbox="338 1861 1560 2020"> <p>I developed a stock trend prediction model using Python libraries, analyzing the past 100 days of stock price data to forecast price movements for the upcoming week. By leveraging historical trends and patterns, the system provides insights into potential market behavior, assisting investors in making informed decisions.</p> </div> |

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| Certifications | Autonomous Cars: Deep Learning and Computer Vision in Python March 2024 | |
| | Udemy https://www.udemy.com/certificate/UC-4f4b30f2-c8bb-4997-bac6-d440caea78d3/ | |
| | Supervised Machine Learning: Regression and Classification Sept, 2023 | |
| | Coursera https://www.coursera.org/account/accomplishments/verify/UVBDQPUATW78 | |
| | Machine Learning March 2023 | |
| | Teachnook https://drive.google.com/file/d/1jhLMnb9-EjZ7v8hMFNO9jT_HlsnV9mbW/view?usp=sharing | |
| Interests | Internet of Things and Machine Learning Nov. 2023 | |
| | Bolt IOT https://drive.google.com/file/d/1xzY_tv6XT-JAYxpVzY5_8QFQzkAs-7Ix/view?usp=sharing | |
| | OOPs in Java Dec 2022 | |
| | Great Learning https://drive.google.com/file/d/1svdq8OP2qFvBiuDT2xENAVudLrExZbRH/view?usp=sharing | |
| | Java Programming Dec 2022 | |
| | Great Learning https://drive.google.com/file/d/1YGuny5L2Jc8TGBgvzmhcwQJUmDHzac8q/view?usp=sharing | |
| Extra Curriculum | Machine Learning Supervised, Unsupervised, Reinforcement | |
| | Deep Learning Models LSTM, GRU, RNN, GAN | |
| Languages | Computer Vision Image Processing, Object Detection, Edge Detection | |
| | | |
| Extra Curriculum | Vice Chairperson of IEEE Student Branch Nirma University (IEEE SBNU) Jan 2024 - Dec 2024 | |
| | I actively organize technical events, expert sessions, and research weeks, ensuring smooth execution through planning and coordination. I guide team members in the planning phase, assigning tasks and fostering collaboration. My leadership helps create impactful events, promoting knowledge sharing, industry engagement, and professional growth for participants and the team. | |
| Languages | | |
| | English | Hindi |
| Languages | | |
| | Gujarati | |