

Abhi Singh

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WORK EXPERIENCE

Data Gain Services

Feb 2025 – Present

- Designed and developed a **Chrome Extension** that automated the customer account verification process, reducing manual work and saving several hours per week for the operations team.
- Architected and deployed a lightweight **Node.js server** to handle API requests from the extension, efficiently processing verification tasks and delivering real-time responses to the users.
- Implemented **end-to-end automation** for repetitive daily workflows using **Selenium WebDriver**, improving task accuracy, minimizing human error, and freeing up valuable employee time for higher-priority work.
- Enhanced overall team productivity by introducing automation solutions that streamlined routine operations and eliminated bottlenecks in the customer verification lifecycle.
- Gained hands-on experience in **full-stack development**, **browser automation**, and **backend server deployment**, contributing directly to operational efficiency improvements within the company.

PROJECTS

Init.new – AI Website Builder SaaS Application

[View Project](#)

- Developed a full-stack AI-driven website generator using Next.js 15, featuring real-time code editing, live previews, and an intuitive chat-based UI for codebase updates.
- Embedded a powerful code editor and live preview environment within the browser, allowing seamless editing and visualization of AI-generated websites.
- Integrated secure authentication with the latest Auth.js and implemented a token-based billing system, including a dynamic pricing screen for purchasing additional tokens.
- Built backend API routes to generate and refine user codebases using the Gemini API with system prompts, enabling bug fixes and feature enhancements directly via chat.
- Architected a scalable backend with Convex (with MongoDB fallback), storing user data, chat history, and codebases efficiently for high performance.
- Enabled users to iteratively refine their applications by requesting bug fixes or feature enhancements from the AI directly within the platform.
- Modeled the project as a modern, pushing the boundaries of AI-driven website development.
- **Tech used** – Next.js 15, Convex, Mongoose (MongoDB), framer motion, Auth.js, Shadcn, Tailwind CSS, framer motion, Google Genai Typescript SDK, Sandpack-react.

Initstore - Full-Stack eCommerce Store

[View Project](#)

- Developed a **feature-rich, fully functional eCommerce store** from scratch, utilizing the latest version of **Next.js 15** for server-side rendering and optimized performance.
- Implemented **user authentication** using **Auth.js**, enabling secure and seamless login, registration, and user session management.
- Built the store with **TypeScript** to ensure type safety and improve code maintainability, enhancing the overall development workflow.
- Designed the UI using **Tailwind CSS**, providing a responsive, mobile-first design with modern UI elements.
- Integrated **Razor pay** for secure and efficient payment processing, allowing users to complete transactions seamlessly.
- Delivered a **scalable** solution with dynamic product listings, user reviews, and cart functionalities, ensuring smooth user experience across devices.
- Focused on best practices for security, performance, and accessibility, creating a robust and reliable application.

SKILLS

Frontend development -

Typescript | Next JS | React | Tailwind CSS | Redux | Shad CN | worked with many UI libraries | Extensions

Backend development -

Node JS | Express | REST Api | Microservices | Postman | Authentication & Authorization (JWT, Auth JS) | Ai and LLMs integration

Database -

MongoDB | Convex | SQL | ORMs like Mongoose and PRISMA

Other -

Full stack development | Automation | GitHub | Java | Python | Selenium | Basic data structures and algorithms (DSA) | Scripting | Project Management | Communication | Leadership | Time Management | Adaptability | Problem Solving | Teamwork | Creativity

EDUCATION

Bachelors in Computer Application- Computer Science
Tilak Maharashtra Vidyapeeth

2023 - 2026

HSC
MPBSE

2021 - 2022