

Armaan Yadav

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TECHNICAL SKILLS

Languages: JavaScript, Python, TypeScript, Java, C/C++, SQL, HTML5, CSS3

Frameworks/Libraries: React.js, Redux, Node.js, Express.js, Tailwind, Flutter, Shadcn, Material UI

Databases: MongoDB, Firestore, MySQL, Appwrite

Developer Tools: Git, GitHub, VS Code, Android Studio, Postman

Deployment/DevOps: AWS, Vercel, Netlify, CPanel, Firebase Hosting

EDUCATION

Indian Institute of Technology, Kanpur

Advanced Executive Certificate in Cybersecurity

December 2025 - Ongoing

Remote

Sigma University, Vadodara

Master's in Computer Applications

August 2024 - Ongoing

Vadodara, Gujarat

Kurukshetra University, Ambala

Bachelor's in Computer Applications - Percentage 71.6%

August 2021 - June 2024

Ambala, Haryana

EXPERIENCE

Freelance Software Developer

Next.js, React.js, Node.js, Remotion, Docker, n8n, Firebase, Python

September 2025 - Present

Remote

- Built a custom **video editor** with AI-powered features including **AI avatars** and automated upload workflows using **Next.js**, **Remotion**, and **Docker** for scalable video generation and processing.
- Developed specialized tools for news media houses featuring **AI-driven headline generation**, script writing, anchor voiceover synthesis, and content paraphrasing to streamline newsroom workflows.
- Engineered a **centralized content publishing system** enabling simultaneous uploads to Instagram, Facebook, X (Twitter), and YouTube using **n8n**, **Facebook Graph API**, **YouTube API**, and **Meta Business Suite** for cross-platform automation.
- Delivered a full-stack **NGO website** with a custom **admin panel** built using **React.js**, **Firebase**, and **Cloudinary** for dynamic content management and media optimization.
- Developed a local workflow for generating **custom talking AI avatars** using open-source models, implementing **text-to-video** and **text-to-speech** pipelines for personalized video content creation.

Software Developer at Quantbug Technologies and Research LLP

July 2024 - August 2025

Next.js, React.js, Node.js, Express.js, MongoDB, Flutter, Docker, Coolify, Appwrite

Vadodara, Gujarat

- Worked on multiple full-stack applications including **news portals**, **chat applications**, and **college ERP systems**, delivering scalable and user-centric solutions.
- Led the end-to-end development of a **SEO-optimized news portal** for a local media outlet – **Yug Abhiyaan Times** – using **Next.js** with SSR, dynamic routing, and responsive UI.
- Built a custom **React.js-based admin panel** featuring role-based access control, article and e-paper management, integrated thumbnail editor, and **text-to-speech** playback using Web Speech API.
- Developed a secure backend using **Node.js**, **Express.js**, and **MongoDB Atlas**, implementing REST APIs, JWT authentication, middleware validation, and modular architecture.
- Designed, developed, and deployed a **mobile app and website** from scratch using **Flutter** and **React.js**, including a robust **admin panel** with multi-role management.
- Deployed applications using **Dockerized services** on an **Ubuntu VPS** via **Coolify**, managing CI/CD pipelines, domain configuration, and uptime monitoring.
- Implemented analytics and performance tracking using **Google Analytics** and **Search Console** to improve indexing, visibility, and real-time performance insights.

Open Source

create-react-jaldi |  |  | **ReactJS, TypeScript, NPM**

March 2025

- Developed and published an **NPM package** to streamline **React TypeScript/JavaScript** project setup, now with **1,100+ all-time downloads**.
- Provides a fully configured stack with **ESLint**, **Prettier**, **Shadcn**, **Vite**, **Redux Toolkit**, **React Router DOM**, and **Tailwind CSS**.

PROJECTS

CodePencil – Online Code Editor | | | ReactJS, Node Js, Firebase, Socket.IO, Vercel

- Developed and deployed an interactive online **code editor** allowing users to **create profiles**, set avatars, and **save** their projects. Currently has **15+ active users**.
- Integrated **Firebase** for **authentication** and **Firestore** for secure data storage.
- Implemented a **draggable** code editor for **HTML, CSS, and JavaScript** using **CodeMirror** and **Split.js**.
- Built a **real-time live coding** feature where **multiple users** can join rooms and collaborate using **Socket.IO**.

Snapgram – Social Media Web App | | | ReactJS, TypeScript, Appwrite, Shadcn

- Developed and deployed a social media web app allowing users to **drag and drop** photos and **upload** them using **Appwrite** as a backend service.
- Implemented **search functionality** enabling users to find posts via **tags, captions, location**, and search for **other users** by username.
- Added key features like **like, save, infinite scroll**, and more for an enhanced user experience.

Zomaggy – Food Delivery Website | | | ReactJS, Firebase, Redux Toolkit

- Developed a food delivery web app similar to Swiggy with **real-time fetching of restaurants** based on the user's **location**.
- Integrated **Firebase** for authentication and an **external API** to fetch the user's delivery address.
- Implemented **cart functionality** supporting all **CRUD operations**.

ACHIEVEMENTS

- Finalist at **Smart India Hackathon 2025**, selected among top teams nationwide for problem-solving, innovation, and technical execution.

CERTIFICATIONS

* Programming using C++ - Infosys SpringBoard 

* Database Design - Oracle Academy 