

# 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

<b>Indian Institute of Technology, Kanpur</b> <i>Advanced Executive Certificate in Cybersecurity</i>	December 2025 – Ongoing Remote
<b>Sigma University, Vadodara</b> <i>Master's in Computer Applications</i>	August 2024 – Ongoing Vadodara, Gujarat
<b>Kurukshetra Univeristy, Ambala</b> <i>Bachelor's in Computer Applications -Percentage 71.6%</i>	August 2021 – June 2024 Ambala, Haryana

## EXPERIENCE

<b>Freelance Software Developer</b> <i>Next.js, React.js, Node.js, Remotion, Docker, n8n, Firebase, Python</i>	September 2025 - Present Remote
<ul style="list-style-type: none"><li>Built a custom <b>video editor</b> with AI-powered features including <b>AI avatars</b> and automated upload workflows using <b>Next.js</b>, <b>Remotion</b>, and <b>Docker</b> for scalable video generation and processing.</li><li>Developed specialized tools for news media houses featuring <b>AI-driven headline generation</b>, script writing, anchor voiceover synthesis, and content paraphrasing to streamline newsroom workflows.</li><li>Engineered a <b>centralized content publishing system</b> enabling simultaneous uploads to Instagram, Facebook, X (Twitter), and YouTube using <b>n8n</b>, <b>Facebook Graph API</b>, <b>YouTube API</b>, and <b>Meta Business Suite</b> for cross-platform automation.</li><li>Delivered a full-stack <b>NGO website</b> with a custom <b>admin panel</b> built using <b>React.js</b>, <b>Firebase</b>, and <b>Cloudinary</b> for dynamic content management and media optimization.</li><li>Developed a local workflow for generating <b>custom talking AI avatars</b> using open-source models, implementing <b>text-to-video</b> and <b>text-to-speech</b> pipelines for personalized video content creation.</li></ul>	
<b>Software Developer at Quantbug Technologies and Research LLP</b> <i>Next.js, React.js, Node.js, Express.js, MongoDB, Flutter, Docker, Coolify, Appwrite</i>	July 2024 - August 2025 Vadodara, Gujarat
<ul style="list-style-type: none"><li>Worked on multiple full-stack applications including <b>news portals</b>, <b>chat applications</b>, and <b>college ERP systems</b>, delivering scalable and user-centric solutions.</li><li>Led the end-to-end development of a <b>SEO-optimized news portal</b> for a local media outlet – Yug Abhiyaan Times – using <b>Next.js</b> with SSR, dynamic routing, and responsive UI.</li><li>Built a custom <b>React.js-based admin panel</b> featuring role-based access control, article and e-paper management, integrated thumbnail editor, and <b>text-to-speech</b> playback using Web Speech API.</li><li>Developed a secure backend using <b>Node.js</b>, <b>Express.js</b>, and <b>MongoDB Atlas</b>, implementing REST APIs, JWT authentication, middleware validation, and modular architecture.</li><li>Designed, developed, and deployed a <b>mobile app and website</b> from scratch using <b>Flutter</b> and <b>React.js</b>, including a robust <b>admin panel</b> with multi-role management.</li><li>Deployed applications using <b>Dockerized services</b> on an <b>Ubuntu VPS</b> via <b>Coolify</b>, managing CI/CD pipelines, domain configuration, and uptime monitoring.</li><li>Implemented analytics and performance tracking using <b>Google Analytics</b> and <b>Search Console</b> to improve indexing, visibility, and real-time performance insights.</li></ul>	

## Open Source

<b>create-react-jaldi</b>       ReactJS, TypeScript, NPM	March 2025
<ul style="list-style-type: none"><li>Developed and published an <b>NPM package</b> to streamline <b>React TypeScript/JavaScript</b> project setup, now with <b>1,100+ all-time downloads</b>.</li><li>Provides a fully configured stack with <b>ESLint</b>, <b>Prettier</b>, <b>Shadcn</b>, <b>Vite</b>, <b>Redux Toolkit</b>, <b>React Router DOM</b>, and <b>Tailwind CSS</b>.</li></ul>	

## PROJECTS

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### 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

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

## CERTIFICATIONS

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- \* Programming using C++ - Infosys SpringBoard 
- \* Database Design - Oracle Academy 