Avi Takiyar

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PROFESSIONAL EXPERIENCE

Adobe, India   **Aug 2022 – Present**
Software Developer – II
Adobe Express & Adobe Color – Feature Development, Performance, Cross-Platform Delivery
- Shipped scalable features like UI features (**Color Picker, Color Theme Panel**) using React.js across Express and Color, standardizing design systems.
- Led end-to-end delivery of features like **saving brand assets** and **multipage theming** across multiple presentation pages in **Adobe Express**.
- Optimized Android Express for low-end devices, cutting homepage **load time by 40%** via static asset delivery.
- **Boosted user sign-ups by 25%** by integrating Google One-Tap Sign-In on Adobe Color.
- Migrated key Adobe Color pages to **Next.js** for better SEO, SSR, and faster initial load.
- Modernized Adobe Color infrastructure by upgrading Node.js & Webpack, improving both performance and DX.

Vedantu, India   **Aug 2021 – Jul 2022**
Software Developer – I
Instasolv App (Mobile Backend) & Vedantu Web (Frontend)
- Integrated the **practice question flow** in the **Instasolv mobile app** by connecting with Cerebry (external startup) via secure Node.js APIs with JWT auth and Redis caching, enabling a **20% boost** in user traffic.
- Enhanced backend accuracy from **45% to 60%** using ElasticSearch, MathPix, and MongoDB for smarter queries.
- Improved **SEO for vedantu.com** by implementing SSR and structured metadata using Next.js.
- Developed **modular content sections** and a dynamic video carousel in Next.js, boosting engagement on key pages.

Vedantu, India   **May 2021 – Jul 2021**
Full-Stack Engineering Intern
Instasolv App (Analytics, API Development, Deployment Automation)
- Integrated **Amplitude & Apxor** for logging custom analytics events to drive product insights.
- Built a smart answer-ranking API, improving perceived answer **quality by ~10%**.
- Automated deployments via **Bitbucket Pipelines & AWS CodeDeploy**, speeding up release cycles.

Freelance Full-Stack Developer   **2019 – 2021**
Remote | Freelance Projects for Indian & International Clients

- **Credit Ninja – FinTech Search Platform**
  - Developed a credit search engine for **200K+ companies** using **MongoDB Atlas Search** with fuzzy logic and autocomplete.
  - Built a secure GraphQL backend with OTP login, integrated debounced client-side search, and used **Apollo Client** for caching.

- **Leàna CMS – Custom Headless CMS**
  - Created a reusable headless CMS (Node.js + GraphQL + MongoDB) for blogs and e-commerce platforms.
  - Added **JWT auth**, Apollo-powered real-time updates, and Firebase media handling to the CMS.

- **1998 Skincare Co. – E-commerce Website (US Client)**
  - Built a full-fledged e-commerce platform in **Next.js**, backed by Leàna CMS for product management.
  - Integrated **PayPal for payments** and Apollo for caching and paginated queries.

- **Arzēhyaat – Quotes + Music Web App**
  - Built a **Vanilla JS + Firebase SPA** to browse quotes, play music, and save favorites.
  - Designed a custom responsive UI with OTP login, guest access, and real-time search.
  - Enhanced UX with **keyboard shortcuts**, audio playback, and mobile app–like interactions.

- **Urban Track – Business Website with CMS**
  - Built a business site in **ReactJS** with Firestore-powered Flamelink CMS.
  - Designed modular sections (Home, About, Contact, etc.) and deployed on **Firebase**.

- **SIGFA Gujarat – Official Website of a Spiritual Healing Organization**
  - Created a responsive static website (**HTML/CSS/JS**) for SIGFA and hosted it on Firebase.
  - Implemented clean navigation and **SEO-friendly** markup across all sections.
  - Prioritized accessibility, fast load times, and mobile-first responsive design.

PROJECTS

Binance Spot Algo Trader – Open Source HFT Arbitrage Bot   **Jul 2024 – Sep 2024**

- Developed an **HFT arbitrage bot** for Binance Spot, targeting opportunities across volatile crypto pairs.
- Implemented real-time tracking, limit orders with auto-cancel, and low-latency execution (Node.js, Axios, Bottleneck).
- Built modular architecture with **testnet support**, accurate fee logic, and quick failure recovery.
- Released as a production-ready open-source project to demonstrate real-time trading architecture.
- GitHub - https://github.com/aviTak/BinanceSpotAlgoTrader

EDUCATION

SRM Institute of Science and Technology	**2017-2021**
B.Tech, Computer Science	90%
Dr. Virendra Swarup Education Centre	**2016**
Senior Secondary (XII), ISC – Science with Computers	94.5%
Dr. Virendra Swarup Education Centre	**2014**
Secondary (X), ICSE – Science with Computers	94.6%

SKILLS

JavaScript (ES6+), TypeScript, React.js, Next.js, Node.js, Express.js, GraphQL, MongoDB, Firebase, HTML5, CSS3, REST APIs, JWT, Git, AWS (EC2, S3).