Ahmed Abrar Ariyan

Experienced software engineer with a focus on building engaging & accessible digital experiences

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Experience

Full-Stack Engineer · AironCode Sept 2025 — Present

- Build, code, and publish engaging tutorial videos and project walkthroughs covering technologies such as JavaScript, React, Tailwind CSS, Node.js, and APIs, reaching a growing audience of learners worldwide.
- Design, develop, and showcase real-world projects (web apps, games, tools) while teaching best practices in front-end and full-stack development.
- Lead the creation of structured learning content, breaking down complex programming concepts into clear, approachable lessons for beginners and intermediate developers.
- Collaborate with viewers through comments, live streams, and community feedback to refine teaching style and ensure high-quality, practical learning experiences.
- Spearhead initiatives to make coding education accessible and beginner-friendly, including free resources, project-based tutorials, and interactive challenges.

Video Editor · European Cricket Network Jan 2025 — Aug 2025

- Edited, produced, and delivered short-form video content tailored for platforms including Facebook, Instagram, Twitter, Threads, TikTok, and YouTube, driving consistent engagement across diverse audiences.
- Designed and optimized high-impact visuals and motion graphics to highlight match moments, player performances, and promotional campaigns.
- Streamlined content publishing by leveraging Publer to manage and schedule posts across all social platforms simultaneously, ensuring timely delivery and brand consistency.
- Collaborated with the production and social media teams to align content with strategic goals, maximize reach, and maintain ECN's digital presence.

Tutor · CareTutors Sept 2023 — Dec 2024

- Taught and mentored students from grade 9 to 12 across subjects including Mathematics, Physics, Chemistry, and English, adapting lessons to individual learning styles and academic goals.
- Designed and delivered targeted lesson plans by analyzing past exam papers and trends to prepare students for competitive university entrance exams.
- Provided one-on-one guidance and group sessions, fostering critical thinking, problem-solving skills, and exam readiness.
- Collaborated with students and parents to track progress, identify areas for improvement, and develop personalized strategies for academic success.

Selected Projects

Skill Verse

Skill Verse is a responsive learning platform with secure authentication, role-based dashboards, dynamic study sessions, and seamless payments—empowering Students, Tutors, and Administrators with the tools they need for smarter, safer, and more interactive learning.

3 Major Features:
- Managing users and sessions by admin with JWT
- Stripe for managing payments
- CRUD operation using MongoDB Atlas

Tech Stack Used: React, Express, Stripe, Firebase, JWT, MongoDB

The Guide

The Guide is a responsive blogging platform with secure authentication, empowering users to write, update, and engage with blogs. It features a comment system, personal wishlist, featured and recent blogs, newsletter subscriptions, and real-time notifications—all built for a smooth and interactive user experience.

3 Major Features:
- JWT Authentication for more security
- CRUD operation using MongoDB Atlas
- User Authentication using Firebase

Tech Stack Used: React, Express, Motion, Firebase, JWT, MongoDB

Event Bagan

Event Bagan is a secure event management platform where users can create, update, and manage events, while others can join within a limited registration window. With JWT-powered authentication and role-based controls, hosts manage their events, participants track their joined ones, and privacy is always protected.

3 Major Features:
- Custom User Authentication with JWT & bcryptjs for more security
- CRUD operation using MongoDB Atlas
- TanStack Query for more managable data fetching

Tech Stack Used: React, Express, TanStack Query, JWT, bcryptjs, MongoDB

Skills

Programming Languages
JavaScript (ES2015+), TypeScript, HTML, CSS, Sass, PHP, GraphQL, Python

Libraries & Frameworks
React, Next.js, Gatsby, Eleventy, Node.js, React Native, Tailwind CSS, Styled Components, Framer Motion, Anime.js

Tools & Platforms
Git, GitHub, Netlify, Vercel, Heroku, WordPress, Contentful, Algolia, Firebase, Storybook, Docker, Webpack, Figma

Education

IIT Madras (Ongoing)
Bachelor of Science in Data Science and Applications

Certifications

Programming Hero 2025
Complete Web Development Course with Programming Hero

Harvard 2025
CS50: Introduction to Computer Science

WorldQuant University 2025
Applied Data Science Lab

IYMC 2020
Bronze Honor Awardee

BdMO 2016
Regional Runner-up

Interests

Drawing, Anime (One Punch Man, Bungou Stray Dogs, Jujutsu Kaisen), Clash of Clans (Leader of a level 15 clan with town hall 15 maxed), Walking, Trying out new food places, Photography