

Aarya Rokade

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SUMMARY

Full stack developer who ships products end to end — interface design, backend architecture, and deployment. Experience across web and mobile: real time features, secure authentication, caching and CDN work, and a released cross platform mobile app. Comfortable owning a product from validation to launch.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, C++, SQL
- **Frontend:** React, Next.js, React Native (Expo), Tailwind CSS, Framer Motion, GSAP, EJS
- **Backend:** Node.js, Express, REST APIs, JWT / OAuth
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis, Supabase
- **Cloud & Tools:** AWS (S3, CloudFront, SES), Git, Figma, Postman, Vercel

EXPERIENCE

Founder Institute Nov 2025 – Jan 2026

Founder-in-Residence (Pre-Seed Accelerator Program)

- Developed and validated a unified platform for artists to showcase, discover, and collaborate, taking the concept from problem statement to a working product.
- Ran customer discovery interviews with artists, founders, and mentors to pressure-test the problem and refine positioning.
- Learned early stage startup fundamentals: problem validation, market sizing, and iterating on feedback from weekly mentor reviews.

PROJECTS

Freaks — *Habit, Calendar & Notes App (iOS + Android)* freaks.pro

- Designed and shipped a cross platform mobile app in React Native and Expo, released on iOS and Android — an evolved rebuild of an earlier web project, Spaces.
- Built habit streak tracking, a unified calendar combining habits, daily mood logs and micro journal entries, a consistency score, and a free form notes section.
- Added local backup and restore so users keep full offline ownership of their data.
- **Tools:** React Native, Expo, Supabase, Figma

Ars Magna — *Unified Art Platform (ongoing)* arsmagna.space

- Built a full stack platform for visual art, music, performance and literature, with a masonry feed and dynamic rendering across image and audio media.
- Implemented cookie based auth with access and refresh tokens plus OAuth, keeping sessions persistent across refreshes.
- Cut load times with a CloudFront CDN over S3, Redis caching, and BlurHash placeholders for progressive image loading.
- Shipped a production grade comment section with nested replies and optimistic UI updates, plus a realtime leaderboard.
- **Tools:** React, Tailwind, Node.js, Express, PostgreSQL, Redis, AWS (S3, CloudFront, SES), Wavesurfer.js

Blue Pixel — *Interactive Educational Microsite* bluepixel.space

- Built a scroll driven narrative retelling the story of the Pale Blue Dot, using GSAP timeline animations and a fully responsive layout.
- **Tools:** React, Tailwind, GSAP

Smart Parking System — *IoT + Computer Vision*

- Built a parking occupancy solution using IoT sensors and computer vision to detect vehicles in real time, with ML classification of availability and alerts through a web interface. Tools: Python, OpenCV.

Music Generation with Machine Learning

- Built a GRU based neural network generating MIDI note sequences from musical datasets; benchmarked GRU against LSTM and optimised for training speed. Tools: Python, TensorFlow, Keras.

EDUCATION

AISSMS College of Engineering Jan 2022 – June 2025

BE in Computer Science — GPA: 8.2

- Coursework: Data Structures, Operating Systems, Computer Networks, High Performance Computing, Data Science