

Abhishek Nair

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EXPERIENCE

Software Engineering Intern — Subscribili

May 2025 – October 2025

Healthcare Technology Startup

Onsite

- Designed and implemented a **multi-tenant web application** using **Strapi CMS**, enabling fast deployment of localized websites for multiple clients; added support for **Spanish and Mexican Spanish** locales and optimized performance by migrating from **SQLite to PostgreSQL**.
- Integrated **Affirm Buy Now, Pay Later** functionality via the **Stripe API**, delivering a seamless checkout experience with **React/Redux** state management for payment callbacks, loading states, and transaction validation.
- Developed a **real-time, vendor-agnostic monitoring system** to track the health of EMR integrations (**Dentrix, Eaglesoft, OpenDental**), reducing manual monitoring by **90%**. Implemented using **Python, AWS EventBridge, SQS, and SendGrid** for automated daily reports.
- Designed an **AWS-based secure credential management system** leveraging **Secrets Manager with KMS encryption, IAM** role-based access control, and **ECS Fargate** for scalable, **HIPAA-compliant** data synchronization.
- Built a **self-service client portal** enabling independent configuration of subscription plans, reducing plan creation time from hours to **under 15 minutes**.

Academy Representative — Robin Hood Army (RHA) Bangalore

February 2025 – Present

Non-Profit Organization

Bangalore, India

- Represent and manage the academic wing of RHA Bangalore as part of the Robin Hood Academy initiative
- RHA's Academy program has empowered over **7,328 students across India** and facilitated more than **12,348 school admissions** for underserved children, with efforts spanning multiple cities
- Oversee local academic activities including admissions processes and educational events; personally teach mathematics to primary students at Government School, Appareddy Palaya (Indiranagar), and work with volunteers and school administrators to address academic issues and implement solutions that enhance learning programs and improve student comprehension

PROJECTS

GYMMER — Gym Discovery Platform

December 2024

Personal Project

- * Developed a comprehensive **gym discovery platform** for Bangalore enabling users to explore and compare 90+ verified independent gyms with accurate pricing, amenities, images, and contact details.
- * Integrated a **subscription-based paywall** using Razorpay, including secure payments, subscription lifecycle logic, webhook-based validation, and role-based access to premium gym data.
- * Built a full-stack system with **React, TypeScript, Vite** on the frontend and **Firestore, Authentication, Storage** on the backend, featuring advanced filters such as neighborhood-based search, price sliders, and amenities selection.
- * Developed an **admin dashboard** supporting bulk gym management, CSV import/export, Firebase Storage image uploads, and analytics tracking for impressions and contact clicks.
- * Implemented a responsive **mobile-first UI** with Tailwind CSS and real-time data synchronization using **React Query** for caching, background refresh, and fast user experience.
- * **Live Demo:** gymmer-pied.vercel.app — **Source:** github.com/hea7hen/Gymmer

SnackDash — Campus Food Delivery Platform

June 2025

Live Demo — GitHub

- * Developed **peer-to-peer food delivery platform** for college campuses enabling students to order from on-campus vendors and earn money as couriers, solving last-mile delivery challenges in closed campus environments.
- * Built a full-stack application using **Next.js** and **Firestore**, implementing real-time order tracking, push notifications, and secure authentication with role-based access for customers and delivery partners.
- * Designed a dual-sided marketplace with an order management system, **automatic courier matching algorithm**, and payment integration for seamless transactions and delivery fee distribution.

- * Implemented responsive UI with real-time updates using **Firestore Realtime Database**, enabling live order status tracking and instant notifications for order placement, acceptance, and delivery.

Full Stack API Book Certification

December 2024

Personal Project

- * Developed a platform for issuing **verifiable digital certifications** for book completion, enabling seamless digital credentialing and transparency.
- * Engineered a secure credentialing system utilizing **unique salted verification codes** and timestamp validation to ensure authenticity, simulating blockchain-level immutability.
- * Built a full-stack application with **Next.js** and **Tailwind CSS** frontend, integrated **Google Books API** for metadata retrieval, and leveraged **Firestore Authentication** and **Firestore** for robust storage.
- * **Live Demo:** u4rsnob0spemqbtj.vercel.app — **Source:** github.com/hea7hen/BookCert

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, C/C++, SQL (PostgreSQL), HTML/CSS, R

Cloud Technologies: AWS (ECS, Fargate, EventBridge, SQS, Secrets Manager, SSM, KMS, IAM), Terraform, Docker

Frameworks & Libraries: React, Redux, Node.js, Strapi CMS, Flask, FastAPI, Playwright, Material-UI, pandas, NumPy

Databases & APIs: PostgreSQL, SQLite, Firestore, REST APIs, Stripe API, SendGrid API

Developer Tools: Git, VS Code, PyCharm, IntelliJ, Postman, GitHub Actions

EDUCATION

RV University

Bachelor of Science in Computer Science, Minor in Fintech

Bangalore, Pattanagere

August 2023 – May 2027

Kendriya Vidyalaya

Primary and Higher Secondary

Bryan, TX

2010 – May 2022