

# ARYAMANN CHAUDHARY

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## SUMMARY

Full Stack Software Engineer with experience building production-grade web and mobile applications using Next.js, React, Node.js, and Flutter. Proven ability to design scalable systems, authentication flows, and real-world products used by 1000+ users. SIH 2023 Finalist with strong focus on backend architecture and AI-driven solutions.

## SKILLS

|                  |   |   |
|------------------|---|---|
| <b>Language</b>  | : | JavaScript (ES6+), Dart, Java, Python, SQL  |
| <b>Frontend</b>  | : | Next.js, React.js, Tailwind CSS, Shadcn/UI, Framer Motion, HTML5, CSS3                                |
| <b>Backend</b>   | : | Node.js, Express.js, REST API Design, JWT Auth, Cookie-based Auth, Nodemailer (SMTP), Server Actions  |
| <b>Mobile</b>    | : | Flutter, Dart, iOS & Android, Workmanager (background tasks), Push Notifications, Home Screen Widgets |
| <b>Databases</b> | : | Supabase (PostgreSQL), MongoDB, Redis, Real-time CRUD, Row Level Security, Admin SDK                  |
| <b>Tools</b>     | : | Git, GitHub, Postman, Vercel, Railway, DSA, OOP, Agile/Scrum, Figma                                   |

## PROJECTS

### Advance Control System - Industrial B2B Web Platform (Freelance Work) Next.js · Supabase (PostgreSQL) · Node.js · Nodemailer · Vercel [LIVE](#)

- Architected and deployed a production full-stack B2B platform for an industrial automation client — comprising a public-facing site, a **password-protected admin dashboard**, and a product catalogue with full **CRUD, image upload, and live/draft status toggling** powered by Supabase PostgreSQL.
- Engineered a **dual lead-capture pipeline** - Nodemailer SMTP for structured quote and enquiry emails + WhatsApp deep-link routing delivering inbound sales leads in real time and **measurably increasing client conversions post-launch**.
- Secured admin panel with **cookie-based session auth, server-side password validation, and environment-scoped Supabase service-role keys** isolating public and admin data access with zero-trust configuration deployed on Vercel.

### UVGuard - UV Index & Skincare Tracking Mobile App Flutter · Dart · iOS & Android · Workmanager · home\_widget · Geolocator · Weather API [LIVE](#)

- Designed and built a cross-platform **iOS & Android Flutter app** delivering real-time UV index monitoring, **Fitzpatrick skin-type profiling across 6 phototypes**, SPF recommendations, and personalised sunscreen reapplication timers calibrated to AAD (American Academy of Dermatology) clinical guidelines.
- Engineered a UVRiskEngine and SunscreenEngine** to classify UV exposure levels and dynamically calculate burn time and sunscreen reapplication intervals based on skin type and environmental conditions (Low / Moderate / High / Very High / Extreme) SPF selection logic.
- Implemented **background UV refresh with Workmanager** (iOS & Android task scheduling), native iOS **Home Screen Widget via home\_widget**, GPS geolocation, reverse geocoding, Weather API integration, and scheduled local push notifications — enabling passive skin-safety monitoring without the app open.

### GUIDO - Travel Platform Travel Platform | UP Government Granted React.js · Node.js · Express.js · REST APIs · JWT Auth

- Engineered the **backend authentication system (JWT + role-based access control)** and built frontend UI components for a travel platform serving 1,000+ daily active users; the project secured competitive funding from the Uttar Pradesh Government.
- Integrated **RESTful API endpoints for itinerary generation and user management**, implementing session handling and secure auth flows across user-facing and admin surfaces.

### Vesly - Smart Hydration System | SIH 2023 National Winner Flutter · IoT · UV-C Purification · Sensor Integration · Mobile Analytics [LIVE](#)

- Developed an **IoT-based smart water bottle with UV-C purification and real-time hydration tracking sensors**, transmitting usage telemetry to a mobile application via a hardware-software interface layer.
- Built the companion **Flutter mobile app** featuring a hydration analytics dashboard, personalised reminder scheduling, and user health insights — closing the loop between hardware sensor data and actionable user behaviour feedback.
- Selected as a national winner at Smart India Hackathon 2023— ranked among the top teams from over 50,000+ submissions across 44,000 teams nationwide.

## EXPERIENCE

### Full Stack Developer Intern - NFURA PRIVATE LIMITED

- Engineered scalable frontend architectures and backend integrations - **REST APIs, secure authentication, shared component systems** across 3+ client projects within a 12-member agile team delivering solutions for 5+ startups and businesses.
- Refactored component libraries and shared utility layers, achieving a **40% increase in code reusability** and reducing cross-project feature delivery timelines significantly.
- Contributed to product delivery that drove **₹20 lakh in team revenue within 3 months** of operations.

## EDUCATIONAL BACKGROUND

B.tech in CSE ( AIML ) From Dr. A. P. J. Abdul Kalam Technical University, Lucknow

Nov 2021 - June 2025

10th - 12th Class from CBSE

April 2019 - June 2021