

# ALEXANDER KURIAN

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[Portfolio](#) · [LinkedIn](#) · [GitHub](#)

## PROFILE SUMMARY

BCA finalist with 3 internships across full-stack and mobile development. Shipped production systems in React Native, Next.js, FastAPI, and Firebase. Hackathon winner/runner up with hands-on experience building AI-integrated products.

## EDUCATION

**Christ University** Delhi NCR  
Bachelor of Computer Applications - *GPA: 9.2* July 2023 - Expected July 2026

## WORK EXPERIENCE

**Ameya Books - Hybrid** Ghaziabad  
*Full Stack Developer* Jan 2026 - Apr 2026

Built a cross-platform React Native app for real-time inventory and sales with live Firestore synchronization. Developed an Express.js backend with Firebase RBAC, automating invoicing (PDFKit) and integrating cloud storage and payments.

**AppYard Technologies - Remote** Bengaluru, India  
*React Developer Intern* May 2025 - Jul 2025

Engineered 15+ reusable React components across 4 product screens, reducing UI dev time by 30%. Delivered 3 sprint features end-to-end integrating REST APIs, cutting reported UI bugs by 40% post-release.

**Refactore HU - Remote** Warsaw, Poland  
*Software Engineering Intern* May 2024 - July 2024

Developed full-stack features using Node.js, PHP, and MySQL with a focus on API and schema design. Reduced query execution time by optimizing 8+ MySQL stored procedures and indexes, improving API response by ~35%.

## SKILLS

**Languages:** TypeScript, JavaScript, Python, Java, C++, SQL  
**Frontend:** React, Next.js, Tailwind CSS, Framer Motion  
**Backend:** Node.js, Express.js, REST APIs, API Design  
**Databases:** PostgreSQL, MongoDB, MySQL  
**Mobile:** React Native (Expo), Kotlin, Jetpack Compose  
**State & Data:** Redux, Context API, Firebase  
**Tools:** Git, Postman, Vite  
**Other:** System Design, DSA, Performance Optimization, Debugging

## PROJECTS

**CARMA - Carbon & Air Research and Mitigation Analysis** *Python, Flask, Next.js* [Live Demo](#)  
Architected and deployed a full-stack policy simulation platform with a Flask-powered backend and Next.js frontend, engineering scalable RESTful APIs tightly integrated with a responsive, data-driven UI to enable real-time macro and persona-level policy impact analysis.

**Analytical Archive - CGE Policy Simulation Platform** *React, Python* [Live Demo](#)  
Engineered a CGE simulation pipeline with a causal graph engine, modeling macro and persona-level impacts at sub-40ms latency with automated insight generation across various economic variables.

**Helix - Lab Intelligence System** *React, TypeScript, FastAPI, PostgreSQL* [Live Demo](#)  
Designed a full-stack AI system with a RAG pipeline over 2.4M+ papers for protocol generation. Built an interactive UI for real-time refinement and predictive anomaly detection.

## AWARDS

**Brainwave 2.0 Hackathon** Delhi Technological University  
*1st - Design Track · 2nd - Open Innovation Track* Jan 2026

**AlgosQuest Hackathon** Icourse  
*Top 5 of 1000+* April 2026

**Intel Unnati Industrial Training** Intel India  
*Selected Trainee* 2025

**Smart India Hackathon** Government of India  
*Finalist* 2024