

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: 9.0* 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