

# RAKSHITH KUMAR B

Full-Stack Developer | Mobile App Developer | Agentic AI Engineer  
+91 7676628334 | rakshithkumarb089@gmail.com | Bengaluru, Karnataka, India

<https://github.com/rakshithkumar608> | [linkedin.com/in/rakshithbkumar](https://www.linkedin.com/in/rakshithbkumar)

## SUMMARY

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Full-stack software engineer (React Native, Next.js, FastAPI, Node.js) with hackathon experience (3rd place, StockLearn) and a co-founder track record shipping client-facing web, mobile, and SaaS products end to end — from architecture to deployment.

## SKILLS

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**Languages:** Python, JavaScript/TypeScript

**Frontend:** React Native, Expo Router, NativeWind, Next.js, React, Framer Motion

**Backend:** FastAPI, Node.js/Express, WebSockets/Socket.io, MongoDB, Clerk Auth, REST API design

**Tools:** Git/GitHub, Postman, Vercel, VS Code

## EXPERIENCE

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**Co-Founder & CEO** | NEXYOUTH (Startup) [2026] – Present

- Co-founded and lead NEXYOUTH, an early-stage software startup, delivering select client websites, mobile apps, and SaaS services alongside in-house product development.
- Leading in-house product development across two flagship apps: Coro, a travel companion app currently in active development, and SkillDepz, an education-focused app currently in architecture and design phase.
- Directed a full redesign of NEXYOUTH's client-facing portfolio site, implementing a modern light-theme UI with Framer Motion animation and a custom design system.
- Drive technical decision-making across the team's full-stack build (React Native, Next.js, FastAPI, Node.js, MongoDB) while managing product roadmap and client delivery as CEO.

## PROJECTS

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**StockLearn — Gamified Stock Market Learning Platform** | Hackathon (Team HackPack, St Aloysius University) — 3rd Place [2025]

- Built a full-stack web app (React, Node.js, Python, MongoDB) simulating stock market trading with virtual currency to teach beginners market fundamentals risk-free.
- Designed a time-based price simulation engine and a feedback layer explaining the cause of each market movement after every trade, rewarding patience and risk-awareness over raw profit.

**Live:** <https://github.com/rakshithkumar608/HackPack1>

**Coro — Travel Companion Mobile App (Ongoing)** | NEXYOUTH [2026] – Present

- Building a cross-platform travel app using React Native, Expo Router, and NativeWind, integrating Clerk for authentication.
- Developing a FastAPI + MongoDB Atlas backend with real-time chat via Socket.io, resolving WebSocket broadcast reliability and MongoDB ObjectId serialization issues.

**Buygo — Multi-Category E-Commerce Platform** [2025] – Present

- Building a general multi-category e-commerce marketplace with a full storefront and shopping cart; payment gateway integration in progress.

**Live:** <https://github.com/rakshithkumar608/E-Commerce-BUYOGO>

**KRISHI AI — Farming Intelligence App** [2026] – Present

**Tech Stack:** Next.js, Node.js, MongoDB, EfficientNet CNN (disease detection), Groq API (Whisper STT + LLaMA 3), gTTS

- Built a disease-detection module using an EfficientNet CNN: photo upload → image classification → diagnosis output for crop diseases.

- Built a mandi price module surfacing live/near-term price data with predictive trend output to guide sell/hold decisions.
- Built a multilingual voice agent using Groq-hosted Whisper (STT) and LLaMA 3, with gTTS for spoken responses, enabling farmers to query the app hands-free without reading or typing.

**Live:** [<https://github.com/rakshithkumar608/KRISHI-AI>]

**Niche — AI Content Generation Platform**

*[2025] – Present*

**Tech Stack:** Next.js, Node.js/Express, FastAPI, MongoDB, Groq API (LLM), FAISS (vector DB), sentence-transformers

- Built a full-stack AI platform generating structured, ready-to-post social media scripts from a user's niche, audience, platform, and tone inputs.
- Implemented an end-to-end RAG pipeline: FAISS vector search over sentence-transformer embeddings retrieves high-performing example scripts to ground LLM generation via the Groq API.
- Built a virality-scoring layer that scores each generated script and persists results through a Node.js/Express API into MongoDB.

**Live:** [<https://github.com/rakshithkumar608/Niche>]

**Other Projects :** Multi-Tenant-AI, Smart University Portal, AngleOne Trading App (Frontend Clone), Hotel-Booking App

**EDUCATION**

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**Bachelor of Computer Applications (BCA) — 3rd Year** | St. Aloysius (Deemed to be) University, Mangaluru, Karnataka  
*2023 – Present*

**12th Grade — Pre-University** | BGS PU College, Chikkaballapura, Karnataka  
*Graduated 2023*

- Score: 83%

**10th Grade — Secondary School** | EverGreen High School, Vijipura, Karnataka  
*Graduated 2021*

- Score: 96%

**ACHIEVEMENTS & COMPETITIONS**

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- 1st Place — State-Level Ideation Competition
- 3rd Place — National-Level Hackathon (StockLearn project, 2024)
- Participant — Google GDSC Solution Challenge 2025 (Crisis Command: AI-powered multi-agency emergency response platform)
- Participant — Multiple state-level competitions and ideathons