

Dhruva Kumar

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Incoming Computer Science freshman at the University of Texas at Austin with experience building applications downloaded by 3000+ users. Seeking internship opportunities in full-stack or AI-driven development.

EDUCATION

Cistercian Preparatory School

Irving, TX

GPA: 4.0 Unweighted / 4.92 Weighted; SAT: 1570

Aug. 2021 – May 2025

Clubs: Yearbook Senior Pages Editor, Young Men's Service League Communications VP, Medical Club Secretary

Awards: National Merit Scholar, AP Scholar with Distinction, Texas A&M Teams Math Competition (2nd in State)

SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL, Dart

Technologies: React (Web), React Native (Mobile), Flutter, Firebase, Next.js, Pandas, Power BI

EXPERIENCE

Software Engineer Intern

Oct. 2024 – Present

Reality5D

Remote

- Develop Mosaic Learn, a React Native mobile app that turns text, image, or voice transcription into learning plans
- Integrate Gemini API via Firebase Cloud Functions for dynamic content generation
- Configure and document separate dev/prod environments for Firebase and Expo to expedite team onboarding

Data Visualization Intern

June 2024 – Aug. 2024

Sagiss

Irving, TX

- Created Power BI reports to track revenue trends and flag unprofitable clients for account managers
- Designed and optimized SQL queries from ConnectWise data to drive real-time ticket triaging wallboards
- Managed incoming support calls and created documentation to ensure smooth ticket escalation

Math Instructor

July 2023 – Sept. 2024

Mathnasium KV

Irving, TX

- Instructed groups of 4-5 students aged 5-16, tailoring instruction for 100+ students
- Evaluated 30-50 pages of student work hourly, providing students and parents with verbal and written feedback

PROJECTS

MOOC Search - Agentic Course Recommendation System | *Pandas, LlamaIndex, FastAPI, Next.js* | [GitHub](#)

- Preprocessed 6,000+ course dataset using Pandas, filtering for free courses to prioritize accessibility
- Implemented BERT embeddings integrated with LlamaIndex agent for autonomous course retrieval and ranking
- Served recommender system via FastAPI backend and Next.js frontend

My Meds - Privacy-First Mobile Medication List App | *Flutter, SQLite* | [GitHub](#)

- Built a medication tracker using Flutter with fully-local SQLite database and FDA drug search
- Migrated 2,500 iOS users without data loss after redesigning database schema for multi-profile support

Mobile Chat App | *Flutter, Firebase* | [GitHub](#)

- Developed an instant-messaging application with friends system and image support using Flutter and Firebase

Personal Portfolio Website | *Next.js* | [GitHub](#)

- Designed a responsive personal portfolio with Next.js to showcase projects and photography