

# Dhruva Kumar

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Motivated high school senior experienced with React Native, Flutter and Firebase, building applications serving over 3,000 users. Passionate about creating impactful solutions in ed-tech, and open to any opportunities for growth.

## EDUCATION

### Cistercian Preparatory School

GPA: 4.0 Unweighted / 4.92 Weighted; SAT: 1570

Irving, TX

Aug. 2021 – May 2025

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

## SKILLS

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

**Technologies:** React, React Native, Flutter, Firebase, Next.js, Power BI

## EXPERIENCE

### Software Engineer Intern

Reality5D

Oct. 2024 – Present

Remote

- Develop cross-platform educational app using React Native and Expo with Firebase backend
- Leverage Google Gemini API with Firebase Cloud Functions to deliver personalized learning plans
- Configure and document separate dev/prod environments for Expo and Firebase

### Data Visualization Intern

Sagiss

Summer 2024

Irving, TX

- Wrote and Optimized SQL queries from ConnectWise views for live ticket tracking dashboard
- Created PowerBI reports analyzing client financial metrics to identify revenue optimization opportunities
- Managed support calls as dispatcher, maintaining detailed documentation for ticket escalation

### Math Instructor

Mathnasium KV

July 2023 – Sep. 2024

Irving, TX

- Instructed groups of 4-5 students hourly in math, developing personalized strategies for 100+ students
- Evaluated 30-50 pages of student work hourly, providing targeted feedback to improve learning outcomes

## PROJECTS

### MOOC Search - Course Recommendation System | *Python, Pandas, FastAPI, React* | [GitHub](#)

- Preprocessed 6,000+ MOOC dataset with Pandas, filtering for free courses to prioritize accessibility
- Generated BERT sentence embeddings for semantic search served by FastAPI backend and React frontend

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

- Architected an medication management app with FDA API search integration and on-device SQLite database
- Migrated 3,000+ iOS users to an updated database schema with multiple profile support

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

- Built a chat application using Flutter and Firebase, serving 25+ users with friends system and image support

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

- Developed a responsive portfolio website using Next.js and React.js to showcase coding projects and photography

## AWARDS

National Merit Finalist

Feb. 2025

Texas A&M Power Teams Math Competition - 2nd Place

Nov. 2024

AP Scholar with Distinction

June 2024