

Dhruva Kumar

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Computer Science student at the University of Texas at Austin with experience building cross-platform applications downloaded by 5,000+ users.

EDUCATION

University of Texas at Austin <i>B.S. in Computer Science</i>	Austin, TX Aug. 2025 – May 2029
Cistercian Preparatory School <i>GPA: 4.92/4.0; SAT: 1570</i>	Irving, TX Aug. 2021 – May 2025
Awards: Valedictorian, National Merit Scholar, AP Scholar with Distinction	

SKILLS

Languages: Java, Python, JavaScript, TypeScript, Dart
Technologies: React, React Native, Flutter, Firebase, Next.js

EXPERIENCE

Mobile Development Intern <i>Reality5D</i>	Oct. 2024 – Feb. 2025 Frisco, TX
<ul style="list-style-type: none">Built Mosaic Learn, an MVP React Native app to generate learning plans from text, images, or voiceIntegrated Gemini and Youtube Search APIs via Firebase Cloud Functions for learning plan generationConfigured and documented separate dev/prod environments for Firebase and Expo	
Data Analytics Intern <i>Sagiss</i>	June 2024 – Aug. 2024 Irving, TX
<ul style="list-style-type: none">Redesigned Power BI revenue report, debugging SQL and reconciling financial data to ensure 100% accuracyPartnered with account managers to redesign the report's UX for improved usability during client meetingsAided a team migration of wallboards to Power BI, including consolidation of seven SQL queries into one	
Math Instructor <i>Mathnasium KV</i>	July 2023 – Sept. 2024 Irving, TX
<ul style="list-style-type: none">Instructed groups of 4-5 students aged 5-16, tailoring instruction for 100+ studentsEvaluated 30-50 pages of student work hourly, providing students and parents with verbal and written feedback	

PROJECTS

MOOC Search - Agentic Course Recommendation System <i>Pandas, LlamaIndex, FastAPI, Next.js</i> GitHub	
<ul style="list-style-type: none">Preprocessed 6,000+ course dataset using Pandas, filtering for free courses to prioritize accessibilityUtilized AI (LLM) Agent with LlamaIndex to return relevant courses even from vague user queriesServed recommender system via FastAPI backend and Next.js frontend	
My Meds - Privacy-First Mobile Medication List App <i>Flutter, SQLite</i> GitHub App Store	
<ul style="list-style-type: none">Built a medication tracker using Flutter with fully-local SQLite database to ensure patient privacyImplemented drug search via FDA APIs to expedite medication entrySuccessfully scaled application to over 5,000 users	
ImageBar - Menubar Image Tool for macOS <i>SwiftUI, ImageIO</i> GitHub App Store	
<ul style="list-style-type: none">Developed a macOS menubar app with a drag-and-drop interface using SwiftUI's MenuBarExtra APICut user's overall image conversion workflow time by up to 75% versus using the native Preview appUtilized the ImageIO framework for conversion to multiple formats and sizes	