

# NIHAR ANNAM

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## EDUCATION

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### **University of Texas at Austin**

**August 2020 – May 2024**

- Bachelor of Science, Computer Science (GPA: 3.4/4)
- Completed Coursework: Data Structures, Computer Architecture, Operating Systems, Discrete Math, Linear Algebra, Multivariable Calculus

## PROJECTS

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### **36 Hour Fitness**

**September 2020**

- Created a web-based personal fitness trainer that gives real-time automated feedback on exercise form using Dynamic Time Warping to compare a user to instructors and score them
- Developed in **HTML/CSS** and **JavaScript** using PoseNet and TensorFlow.js for joint recognition
- Built for HackMIT 2020, **Grand Prize Winner** and **DRW Data Visualization Challenge Winner**

### **Tabroom Mobile**

**June 2020 - Present**

- Developed an unofficial Android and iOS app for Tabroom.com, the main website for hosting speech and debate tournaments
- Released for the National Speech and Debate Tournament, **acquiring 600+ users during the event**
- Built in **Dart** using **Flutter** using **Material UI** guidelines and integrated with **Firebase Crashlytics**.

### **Total Music**

**August 2020 - Present**

- Built an interactive web app (extension) for Twitch.tv to allow streamers to broadcast self-selected music to their audience.
- Developed in **HTML/CSS** and **JavaScript** on the frontend and **Node.js** on the backend
- Additional backend support through **Express.js**, hosted on **AWS Elastic Beanstalk/EC2** with **SQLite** for database management and **GraphQL** for Twitch API interaction.

## ORGANIZATIONS

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### **Texas Undergraduate Computational Finance**

- Student-run organization focused on analyzing quantitative and fundamental perspectives to evaluate potential investment opportunities
- Weekly lessons on mathematics, computer science, and finance in various market areas such as crypto derivatives, futures, bonds and more

### **Texas Civic Tech Project**

- Weekly discussions on political issues concerning tech & opportunities for using tech for social good

## AWARDS

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**HackMIT 2020: Grand Prize Winner & DRW Data Visualization Challenge Winner**

**Credit Suisse Collegiate Global Coding Competition: Top 25 U.S. (out of 650) & Top 75 Int'l (out of 4500)**

## SKILLS

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### **Programming Technologies**

Dart, JavaScript, Python, HTML/CSS, Java  
Git, Flutter, Jupyter, NodeJS, Matplotlib