Akhil Kasamsetty

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Plano, TX

Objective

College student aspiring to study Computer Science. Looking to pursue robotic and app development through technical engineering and programming skills combined with adaptability.

Projects

[FooDono](#) — *Flutter UI based app developed for iOS & Android*

- Connects food banks and its visitors through food bank signup forms for visitors to enter, promoting an organized system to help more people.
- Used Firebase to process account information and signup form entries for food banks and visitors
- Used Material Design for UI
- Used Android and iOS Emulators for testing app functionality
- Won the Congressional App Challenge TX District 3 Honorable Mention in 2020

[GardenGuide](#) — *Flutter UI based app developed for iOS & Android*

- Provides users with easy data access on gardening with useful features to promote gardening to more families interested in it
- Used Material Design for UI
- Used Android and iOS Emulators for testing app functionality

[AkhilBot](#) — *Python based app developed for Discord*

- Provides users with quality of life features such as access to deleted Discord messages through bot commands

[InchWorm](#) — *Java based movement system developed for FTC Robotics*

- Won the Innovation Award at Texas UIL State Championships for Robotics

[Intelligent Trash Texter](#) — *Arduino based machine developed as a product*

- A sealing & texting voice recognition dustbin that optimizing recycling and trash operations on an individual scale.

Activities

AIFA - AI For All

Lead Python Curriculum Officer, Plano, TX
08/2023 - 05/2024
- Led a team of curriculum officers to create a variety of educational slideshows to teach the basics of Python
- Hosted an AI-based hackathon with 100+ participants at UTD sponsored by Google and Dr. Pepper

Plano West Robotics

Vice President/Captain, Plano, TX
05/2023 - 05/2024
- Optimized workflow through implementation of weekly meetings and debriefings within the team
- Hosted 5+ workshops and scrimmages to help promote STEM throughout the community
- Team Accomplishments: Inspire Award 2nd Place @ F&E Qualifier, Semifinalist Alliance 2nd Pick @ Texas UIL State Championships

Bloom Institute

Webmaster, San Jose, CA
02/2023 - 10/2023
- Controlled the website of an organization that hosts free year-round virtual classes for 200+ middle schoolers
- Collaborated with colleagues on the team to plan future events for the growth of the organization

Plano West Robotics

Assistant Captain, Plano, TX
08/2022 - 05/2023
- Led team of 14 through project management to win matches and secure awards
- Managed 5+ engineers to help create successful designs for each year's robot
- Team Accomplishments: Winning Alliance 2nd Pick @ F&M Qualifier, (former) Texas state record of 242 points, Control Award 2nd Place @ F&M Qualifier, Control Award 1st @ Semi-Regionals South, Innovation Award @ Texas UIL State Championships, Finalist Alliance 2nd Pick @ Texas UIL State Championships

Student Organized Academic Refinement

Content Officer, Plano, TX
08/2022 - 05/2023
- Created 10+ presentations covering Precalculus Honors content based on the Plano West Senior High curriculum
- Hosted Q&A sessions to help 20+ Plano West Precalculus students review for upcoming tests

Jasper Robotics

Lead Engineer, Plano, TX
08/2020 - 08/2022
- Led design process and developmental process for engineering the robot
- Worked with engineers and programmers on the team to promote cooperation between subteams and create a cohesive robot

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Skills

Flutter, Dart, Firebase, Java, Python, HTML, CSS, C#, GitHub, Android Studio, IntelliJ, Project Management, Communication skills, Leadership, 3D Modeling, Blender, Fusion 360, Photoshop, Audacity, Video Editing, DaVinci Resolve

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Education

High School Degree

Plano West Senior High, Plano, TX
05/2024
- Graduated summa cum laude -- 4.3+ GPA
- GPA: 4.525 Rank 96/1294 (Top 7.4%)
- 13 AP courses (5 waiting for scores & 8 5's)
- Led Robotics Team to UIL state championships and won 3rd place

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Awards

1540 on SAT, AP Scholar with Distinction, Congressional App Challenge TX District 3 Honorable Mention, Innovation Award @ Texas UIL States Robotics 2023, 2nd Place @ Texas UIL States Robotics 2023, 3rd Place @ Texas UIL States Robotics 2024