

ARYA AGIWAL

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2025

Bachelor of Science, Computer Science

- **GPA:** 3.92 (University Honors)
- **Relevant Coursework:** Computer Architecture, Data Structures, Multivariable Calculus, Discrete Math

SKILLS

Technical: Proficient in Java, C, Git, Linux. Experienced with HTML, Python, C#

Certifications: CS IB C# and CS IB Python Certifications

EXPERIENCE

TX Convergent

September 2021 – Present

Artificial Intelligence and Data Analysis Case Team Member

- Developed website that allows small businesses to compare and offer reviews on business software they use
- Programming a digital platform that actively curates a list of stocks based on user feedback and preferences
- Skills used: Git, React, HTML, and Material UI

Engineering/Computational Learning of AI in Robotics (ECLAIR)

August 2021 - Present

- Designing a RL racecar reward algorithm for the AWS DeepRacer contest
- Modeling and reprogramming a robotic arm in PyBullet with intentions to train it to pick up small objects
- Optimizing current robotic arm URDF to accurately reflect the range of motion of the arm
- Skills used: Linux, Python

Hackathons

- Developed a [prototype school safety course](#) through the implementation of EchoAR, which displays AR models of lab equipment, leading to EchoAR award at UniGlobe Hacks.
- Designed a web based [prototype military alarm and inventory system](#) using Google's Navigation API, leading to 1st Place at ByteHacks 2020.
- Modeled a [water quality index sensor](#) using EchoAR; awarded 3rd place at Hack the World 2020 and received Wolfram Alpha Hackathon Award
- Skills used: Java, EchoAR, HTML

PROJECTS

- [Radix Converter](#): C program that converts numbers from any base to any other base, if the number can be represented in numerical digits. Able to work around floating-point error to convert fractional values.
- Wordle Solver: Algorithm without AI/ML that figures out best word to try for each round of the Wordle web game. Scans through list of weighted 5 letter words to break ties and identify remaining possibilities.

LEADERSHIP & COMMUNITY INVOLVEMENT

Hindu Swayamsevak Sangh

March 2016 - Present

UT Branch Vice President, Irving Branch Co-Founder, Lecturer

- Coordinate general meetings and hold lectures about Hinduism for audiences of 15-25 UT students
- Invite guest speakers to talk about the Vedas and provide insight into Hindu culture and volunteering projects in front of 30 - 80 attendees
- Promote campus cleaning and organize cultural events with UT Austin Student Activities Center
- Raised \$2500 for organizing Hindu New Year event