

# Neal Gandhi

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## EDUCATION

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The University of Texas at Dallas, Richardson, TX  
*Bachelor of Science in Computer Science, Minor in Physics*

*Expected Graduation May 2024*

## SKILLS

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- **Programming languages:** Java, Python, C++, C, HTML, MIPS Assembly, LC3 Assembly
- **Frameworks and Tools:** Git, Django, Linux, Unix, TailwindCSS, Vercel, Django
- **Relevant Courses:** C++ and Data Structures, System Programming in Unix, Linear Algebra, Computer Architecture, Discrete Mathematics, Calculus 1 & 2, Physics (Mechanics)

## PROJECTS

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- **NFTrees** (*Python, Django, HTML, SQLite, Bootstrap*) *March 2021*
  - Worked in a team of 4 to develop an auction web application for Merge Hack+Policy to serve as a replacement for NFTs that offers a minting feature that only the original uploaded can auction off in a 36-hour time period placing 1<sup>st</sup> for the Environmental Challenge
  - Used Django and SQLite allow the user to login and auction off original artwork that can be traced back to the original user by storing individual auction characteristics in a database
- **HackUTD 2021: Solace** (*Python, JavaScript, Next.js, Cloudflare, TailwindCSS, Vercel*) *March 2021*
  - Worked in a team of 4 to develop a discord bot for HackUTD 2021 that integrates a classroom setting with Discord and offers private classroom sections with text channels, voice channels, and a FAQ system within a 24-hour time period placing 2<sup>nd</sup> in the Student Government Challenge
  - Integrated the data from the bot with a web portal through storing the data in Google Cloudflare, allowing for ease of access for all class information and FAQs on a website deployed through Vercel
- **High School Robotics Team** *August 2018 – May 2020*
  - Attended weekly build nights to work on a functioning robot for the FIRST robotics competition
  - Created components using 3D modeling and design software
  - Constructed major parts for use during the set challenges given by FIRST
  - Interfaced physical components with software to allow for remote use through controller

## VOLUNTEER AND COMMUNITY SERVICE

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- **UTD ECS Discord Founder** *August 2020 – Present*
  - Founded a discord community comprised of Engineering and Computer Science Students through Discord
  - Facilitated the growth of a safe community where 600+ students can interact during the Covid-19 pandemic
- **Association for Computing Machinery Community Officer** *August 2020 – Present*
  - Facilitating and maintaining a welcome environment for people to feel safe in as well as partake in computer science-based workshops and events
  - Hosting events during the COVID-19 crisis to bring people together, on average 20 people per event
  - Leading a large interest group consisting of 100+ people to make connections based on similar likes
- **Breakthrough Houston/Central Texas** *June 2014 – Present*
  - Attending yearly school preparatory camps lasting 6 weeks starting in 2014 and ending in 2017
  - Attending monthly college preparatory workshops during the school year ending in 2020
  - Volunteering throughout the city in various different low-income areas

## AWARDS

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- *Merge Hack+Policy Environmental Challenge 1<sup>st</sup> place* *March 2021*
- *HackUTD Student Government Challenge 2<sup>nd</sup> place* *March 2021*
- *AP Scholar with Distinction* *May 2020*