



# Narasimha Cittarusu

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## EDUCATION

### University of North Carolina - Chapel Hill

*B.S. Computer Science + Statistics and Analytics/Applied Mathematics*

May 2027

*Current GPA: 3.936/4.0*

### Ardrey Kell High School

*General Education*

June 2023

## EXPERIENCE

**Interests:** High Frequency Trading and Software Engineering

**Languages:** C++/C, Python, Java, Javascript, HTML, CSS

**Tools:** Git/Github, VS Code, Codeblocks, IntelliJ, Pycharm

## PROJECTS

### MixNMath | *HTML, CSS, Javascript*

Jan. 2024 - Present

- Created a web application that tests your quantitative skills with numbers. The objective of the game is to make a target number using any or all digits depending on the difficulty mode. Website: [rebrand.ly/mixnmath](https://rebrand.ly/mixnmath)

### Poker Hand Victor | *C++*

Feb. 2024

- Used **SMFL graphics** to aids poker players in analyzing their hand strength against opponents. By inputting their hand and the table cards, the tool generates potential winning hands, facilitating strategic decision-making. **synthesize** data regarding top video game manufacturers.

### Carolina Data Challenge 2023 - Nostaliga through Video Games | *Python, Pandas, Excel*

Sep. 2023

- Performed** Data cleaning using **Pandas** to **synthesize** data regarding top video game manufacturers and developed crucial insights about the data.

## EXPERIENCE

### Appstractify | *Contributor*

Mar. 2024 – Present

Currently making the data filtering software more efficient and accurate within this company.

### Discovery Place Science | *STEM Apprentice*

Aug. 2019 – Mar 2020

Worked in the Thinker Space Department in the Discovery Place Science Center; used **AutoCAD** and **Tinker cad** as the primary software; proficiency with **3-d printing** and **3d modeling software**. **Assisted people** who were visiting Discovery Place with **3d printers**.

### UNC CS + Social Good | *Education Team Member*

Sept 2023 – Dec 2023

Learned about **HTML, CSS, Javascript, Node.js, and React.js** to assist the project team; **made simple website using Javascript to showcase my understanding**. **Collaborated** with fellow team members in the team to make tangible online websites.

### UNC Department of Computer Science | *Undergraduate Teaching Assistant - COMP 110*

Jan 2024 – Present

**Currently assisting** people in **Introduction to Programming and Data Science** with any question they have and **grading assignments** as well.

### UNC Department of Computer Science | *Undergraduate Student Researcher*

Jan 2024 – Present

**Working** with Dr. Henry Fuchs on **AI powered book translation using character recognition**.

### UNC Mathematics Department | *Directed Reading Program*

Jan 2024 – Present

**Working** with a graduate student on a semester-long project. **Research** includes **quadratic reciprocity, p-adic numbers, classification of quadratic forms, and modular forms**.