

# Chinmay Gowda

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## EDUCATION

**University of Virginia** | Charlottesville, VA

*Bachelor of Science in Computer Science*

**Cumulative GPA: 3.9**

**Expected to Graduate 2025**

**Relevant Coursework:** Multivariable Calculus, Differential Equations, Discrete Mathematics, Linear Algebra, Data Structures and Algorithms, Computer Systems Organization.

**Deep Run High School** | Glen Allen, VA

**Cumulative GPA: 4.7**

**Salutatorian of Deep Run High School**

## SKILLS

**Skills:** Python, Pandas, Pytorch, Git, Java, JavaScript, ReactJS, C, Linux OS, HTML, CSS, SQL, Scrum, Selenium

## PROFESSIONAL EXPERIENCE

**Aleph Null Capital** | Virginia

2023-Present

*Researcher*

- Research quantitative strategies for portfolio optimizations and develop proprietary strategies to trade using.
- Using python and libraries such as pandas and ta-lib for generating models as well as back testing and locating alpha-positive opportunities. Utilizing ib\_insync and TWS API for the technicals of this project.

**Efficient Data Valuation for ML** | Virginia

2022-2023

*Researcher*

- Researching ways to reduce parameters to increase efficiency without sacrificing accuracy of the model. Finding ways to filter out noisy datasets in order to make the datasets more reliable and better for training the model. In addition, finding efficient methods to provide value to data. Worked with Dr. Felix Lin on this project.
- Using CrypTen, PyTorch, and Data Shapley for the technical of this project.

**AWS Cloud Practitioner Course** | Virginia

2021

*Certified Cloud Practitioner*

- I have taken the official Amazon create AWS course, where I learned about the advantages of a cloud server and the different types of scaling to accommodate different needs.

## ACTIVITIES & LEADERSHIP

**ICPC: International Collegiate Programming Competition** | Charlottesville, Virginia

2023

*Participant*

- Took part in the 2<sup>nd</sup> division and achieved the spot of 3<sup>rd</sup> place in the mid-Atlantic region among hundreds of other schools and teams. Used python to solve the problems for the competition.

**AFA Cyberpatriots** | Glen Allen, Virginia

2019-2022

*Linux OS Security Analyst*

- Reached Platinum (Silver < Gold < Platinum) round every year competing against the nation.
- I was in charge of Linux where I fixed vulnerabilities, created and ran scripts, and strengthened local services and protocols on the given virtual image.

**Virginia Datathon** | Richmond, Virginia

2020

*Data Analyst and Speaker*

- Competed and won against colleges and businesses such as Google and Microsoft in the statewide competition.
- Created a predictive model to solve statewide hunger caused by COVID using Python and spoke for the presentation submitted as a final product.

**Robotics Summer Camp** | Lakeside Elementary School

2019

*Creator and Advisor*

- Created a weeklong summer camp at Lakeside Elementary School, a Title 1 school, which consisted of our own curriculum and challenge.
- A robotics summer camp where I taught elementary schoolers how to operate, program, and build robots.

## ADDITIONAL

- Awards:** Placed in multiple Scholastic Chess Tournaments, State finalist twice for VEX Robotics, 16<sup>th</sup> place in Worlds for VEX Robotics, Platinum Qualifier for three years in a row in AFA Cyberpatriots, Won \$300 dollars at Virginia Datathon.