

# Sanil Jain

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## Permanent Address

21223 Fairhunt Drive Ashburn, VA 20148

## EDUCATION

### Virginia Polytechnic Institute and State University (Virginia Tech)

B.S. in Computational Modeling and Data Analytics (CMDA)

Blacksburg, VA

September 2020 – June 2024

### Briar Woods High School (Ashburn, VA)

September 2016 – June 2020

- GPA: 4.28/4.00; Honor Roll, AP Scholar with Distinction

### Commodity Investing by Students (COINS)

Junior Analyst

September 2020 – December 2020

- Assisted in investing up to \$1M on behalf of the Virginia Tech Foundation for the nation's only student-run commodity trading group diversified in futures-based ETFs, ETNs, and covered call options
- Make buy and sell trade recommendations using strong technical and fundamental analysis, regression analysis, and critical thinking skills garnered during targeted training and real-world trading experience.

## EXPERIENCE

### Mathnasium – The Math Learning Center

Ashburn, VA

Instructor

August 2018 – December 2018

- Taught elementary and middle School students in Math K-6, Algebra 1, Geometry and Pre-Calculus. This entailed preparing worksheets and going over any homework the student was having trouble with.
- Fostered an environment in which kids wanted to learn, encouraged them to stay focused

## PROJECTS

### A Novel Machine Learning Approach to the Analysis of Single Nucleotide Polymorphisms in the Protein TP53 for the

Purpose of Analysis - Python, Machine Learning (Keras/Scikit-Learn)

November 2018 – April 2019

Researcher/Leader

- Researching and Developing a machine learning algorithm for the purpose of analyzing and classifying TP53 nsSNPs.
- Using the principles of supervised learning in machine learning, we yielded a 92.86% accuracy and a low alarm rate. This project was presented at RSEF in 2019.

### Stock Market Game

September 2018 - May 2020

Captain

- A competition in which participants invest \$100,000 of virtual money into the market in the form of Stocks, Bonds and ETFs. My team won first place in regionals by outperforming the S&P 500 by 15%.

## SKILLS

- Languages: English, Hindi, some Japanese
- Programming: Python, Java, some C#, Android Studio, Machine Learning

## EXTRACURRICULAR ACTIVITIES

- Auto Drive SAE
- Google Developers Club
- JCA
- Civil Air Patrol

## HONORS AND AWARDS

- Mid Atlantic Securities Traders Association Award – Scholarship for outstanding essay in Trading and Securities
- Billy Mitchell Award - Leadership achievement awarded for completion of the 2<sup>nd</sup> phase of the CAP cadet program
- Splunk Machine Learning and Data Analytics Award – Awarded for outstanding use of machine learning

## INTERESTS

- Travel, Artificial Intelligence, Data Analytics, Political Strategy, Global Macroeconomics, Poker