# Sanil Jain

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## EDUCATION

**Virginia Polytechnic Institute and State University (Virginia Tech)** **Blacksburg, VA**
B.S. in Computational Modeling and Data Analytics (CMDA)
GPA: 3.14/4.00 *September 2020 – June 2024*

**Commodity Investing by Students (COINS)**
*Junior Analyst* *September 2020 – present*

- 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

**Anthem Inc.** **Ashburn, VA (Online)**
*Information Technology Intern* *June 2021 – present*

- Analyzing custom interaction and location data to get customer preferences using visualizations and machine learning.
- Technologies used: MongoDB, Scikit-Learn, Pandas, GeoPandas, and Plotly

**BP** **Chicago, IL (Online)**
*Supply and Trading Sophomore Experience Program* *June 2021*

- Learned about commodity trading and risk management and how they relate to BP's supply and trading businesses

**Radian Health** **Ashburn, VA(Online)**
*Software Engineer* *June 2021 – August 2021*

- Assisted in building several React app components in TypeScript

**Data Ready DFW** **Dallas, TX (Online)**
*Software Engineer & Data Science Intern* *February 2021 – May 2021*

- Helped develop an interactive prototype for a web app

**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.

## 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*

- Researched and developed a machine learning algorithm for the purpose of analyzing and classifying TP53 nsSNPs.
- Used the principles of supervised learning in machine learning via an Artificial Neural Network; we yielded a 92.86% accuracy and a low alarm rate.

## SKILLS

- Programming: Python (Scikit-Learn), Java, MongoDB, some C# and JavaScript (TypeScript & React.js)

## EXTRACURRICULAR ACTIVITIES

**Auto Drive SAE**

- Developed a simulation program to predict potential operating problems with self-driving vehicles.

**Japanese Cultural Association**

- Learned about Japanese culture and practiced speaking Japanese.

**Civil Air Patrol (CAP)**

- Learned about flying airplanes

## 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 2nd phase of the CAP cadet program.
- Splunk Machine Learning and Data Analytics Award – Awarded for outstanding use of machine learning.