**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) *September 2020 – May 2024*

**Commodity Investing by Students (COINS)**

*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

**Journey Foods Austin, Texas**

*Full Stack Software Intern January 2022 - present*

 • Analyzed and optimized the email feature of the product webapp using Mandrill and Mailchimp

 • Designed a price and introduction page wireframe in Figma in preparation for the rebranding of the site

**UndercoverVC Ashburn, VA (Online)**

*Fellow* *September 2021 – December 2021*

 • Learning about the venture capital industry from sourcing to the due diligence process

**Anthem Inc. Ashburn, VA (Online)**

*Information Technology Intern*  *June 2021 – August 2021*

 • Analyzing customer digital interactions and demographics data and developed a business use case that predicted behavior

 • The problem was classification based for which we used Scikit-Learn for its K-NNs, Clustering, Naïve Bayes, and PCA

 • 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

# 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

# SKILLS

Programming: Python, Java, JavaScript, C, C#, and R

Technologies: Google Cloud, MongoDB, Figma, Docker, Jira, Jupyter Notebook, Firebase, Linux, Git, Mandrill, Mailchimp, Unreal Engine 4

# 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

# HONORS AND AWARDS

 • Mid Atlantic Securities Traders Association Award – Scholarship for outstanding essay in Trading and Securities

 • BP Scholar – Awarded for Excellence in the BP Supply and Trading Sophomore Experience Program

 • 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