Kaushik Vejju

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EDUCATION

University of Maryland, College Park   **College Park, MD**
Computer Science (B.S)   **August 2021- May 2024**
Cumulative GPA: 4.0/4.0
- **Relevant Coursework:** Objected Oriented Programming II (Data Structures), Introduction to Computer Systems, Discrete Structures, Calculus II & III
- **Activities & Societies:** Smith Investment Fund, College Park Scholars, Scholars Advisory Board (SAB)

TECHNOLOGIES

- **Languages:** Java, C, Python, HTML, CSS, JavaScript, MATLAB
- **Development Platforms/Environments:** Eclipse, VS Code, Vim, Emacs
- **Other:** Unix, Object-Oriented Programming, Microsoft Office

EXPERIENCE

Smith Investment Fund (SIF)   **College Park, MD**
Junior Quantitative Analyst   **October 2021 - Present**
- Selected member (one of 11 out of 112 applicants) of Quantitative Team, responsible for researching and generating optimal trading strategies for the fund's investment portfolio; Received introductory Quantitative Finance training for the fall semester.
- Developed a momentum-based trading strategy using Jupyter Notebook, Python libraries (NumPy, pandas), and SIF's infrastructure; Evaluated the performance of the model against the S&P 500 through a backtest using past market data.

Finacle Soft Inc.   **Princeton, NJ**
Technology Intern   **July 2020 – September 2020**
- Developed demos and provided documentation for the company's Swift CDS product, a digital application for automated credit trading and risk analysis.
- Utilized Python and the QuantConnect platform to learn and document findings on algorithmic trading practices and gain an understanding of key financial concepts, including credit default swaps, ETFs, and mutual funds.

STEAM Works Studio   **West Windsor, NJ**
Instructor   **July 2021 – September 2021**
- Instructed Pre-K to 8th grade students on STEM related topics, particularly forensics, 3D modeling, Lego Robotics, Scratch, and Python.

EXTRACURRICULARS & LEADERSHIP

Scholars Advisory Board (SAB)   **College Park, MD**
Board Member   **September 2021 - Present**
- Elected student representative for Science, Discovery, and The Universe Scholars program.
- Coordinates with board members regarding Scholars-related events and initiatives to improve students' experience in College Park Scholars and manages Scholars events, including Service Day and Fall Fest.

Innovation and Entrepreneurship Club   **Monroe Township, NJ**
Selected Member   **December 2018 – January 2020**
- Collaborated with a group of students to develop and present a business proposal for *VOICE*, a digital app for hearing loss. This proposal was given to school board members and local entrepreneurs in Monroe Township, NJ.
    - **Click To View Business Proposal**

PROJECTS

- **Automotive Dataset Analysis & Trading Strategy:** Jupyter notebook that analyzes automotive stocks (Lucid, GM, and Nio) and runs a mean reversion based trading strategy on one of them; Utilized yfinance, NumPy, pandas, and matplotlib libraries.
- **Random Punch:** Java-based game that simulates a fight between two characters: a Hero and a Villain. The game includes a small twist: players can only land attacks upon correctly guessing a randomly generated number.
- **Personal Website (Source Code):** Digital portfolio showcasing my education, experience, and projects; Developed primarily with HTML and CSS, including some JavaScript.