Kaushik Vejju

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Personal Website ▪ LinkedIn ▪ GitHub

EDUCATION

University of Maryland, College Park   **College Park, MD**

Computer Science (B.S) ▪ **Cumulative GPA:** 3.932/4.0   **Expected Graduation: May 2024**

- **Coursework:** Data Structures, Introduction to Computer Systems, Discrete Structures, Calculus II & III
- **Activities & Societies:** Smith Investment Fund (SIF), College Park Scholars, Scholars Advisory Board (SAB)

TECHNOLOGIES

- **Languages:** Java, C, Python, JavaScript, TypeScript, HTML5, CSS, **Frameworks:** Django, Angular, Spring Boot, **Development Tools:** Git, Postman, Vim, VS Code, Eclipse, **Other:** Unix, Object-Oriented Design

EXPERIENCE

Prudential Financial   **Newark, NJ**

Software Development Intern   **June 2022 – August 2022**

- Utilized Angular framework to modify the UI and provide functionality for a language toggle on Prudential's Disability Insurance Calculator, making the website accessible in Spanish.
- Designed and implemented a RESTful microservice with Java Spring Boot, and defined endpoints in this service's API to validate and respond to client-side requests from the Disability Insurance Calculator UI and call stored procedures in an Oracle Database.
- Evaluated functionality of the microservice using Postman and writing 100+ unit test cases to an existing Node.js test suite.

Smith Investment Fund (SIF)   **College Park, MD**

Junior Quantitative Analyst & Infrastructure Engineer   **October 2021 – Present**

- Selected member of Quantitative Team, responsible for researching and generating optimal trading strategies for the fund's investment portfolio and enhancing the team's technical infrastructure.
- Received introductory Quantitative Finance training, and engineered a momentum-based trading strategy using Jupyter Notebook, Python libraries (NumPy, pandas), and SIF's infrastructure.
- Leveraged Django framework to implement a proof-of-concept for *SIFSearch,* a new utility that enables club members to search and upload media to SIF's databases, promoting efficient access of information.

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.

PROJECTS

Automotive Dataset Analysis & Trading Strategy

Technologies*: Python, Jupyter Notebook*, **Packages & Libraries:** *yfinance, pandas, numpy, matplotlib*

- Jupyter notebook that analyzes automotive stocks (Lucid, GM, and Nio) and runs a mean reversion-based trading strategy on Nio stock specifically.
- Evaluated the performance of trading strategy by comparing the cumulative returns of the strategy with that of the S&P ADR index.

Personal Website

Technologies: *HTML, CSS, JavaScript*

- Digital portfolio showcasing my education, experience, and projects that is developed primarily with HTML & CSS, including some JavaScript.

Random Punch

Technologies: *Java*

- Java-based game that simulates a fight between two characters and includes a small twist: players can only land attacks upon correctly guessing a randomly generated number.

LEADERSHIP

Scholars Advisory Board (SAB)   **College Park, MD**

Board Member   **September 2021 - Present**

- Elected student representative for Science, Discovery, and The Universe Scholars program.
- Coordinating 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.