Kaushik Vejju

Monroe Township, NJ ▪ Cell: 732.997.2067 ▪ kaush2003@gmail.com
Personal Website ▪ LinkedIn ▪ GitHub

EDUCATION

University of Maryland, College Park College Park, MD

Computer Science (B.S) ▪ **Cumulative GPA:** 3.932/4.0 **August 2021 – May 2024**

- **Relevant Coursework:** Object Oriented Programming II (Data Structures), Computer Systems, Discrete Structures, Algorithms, Organization of Programming Languages, Probability & Statistics I, Calculus II & III
- **Extracurricular Activities:** Smith Investment Fund (SIF), College Park Scholars, Scholars Advisory Board (SAB)

SKILLS & TECHNOLOGIES

- **Languages:** Java, C, Python, JavaScript/TypeScript, HTML5, CSS, Unix, **Frameworks:** Django, Angular, Spring Boot, JUnit, **Development Tools:** Git, Postman, Vim, VS Code, Eclipse, Oracle SQL Developer

EXPERIENCE

Prudential Financial **Newark, NJ**

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

- Utilized Angular and TypeScript to apply UI enhancements and provide functionality for a language toggle on Prudential's Disability Insurance Calculator, making 60+ phrases/sentences in the website accessible in Spanish.
- Designed and fully 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.
- Enabled microservice to call SQL stored procedures in an Oracle Database by installing the JDBC API using Gradle, and evaluated its functionality through Postman and writing 80+ unit test cases to a Node.js test suite.
- Presented the modernized application to over 30 software developers in the Global Technology department.

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

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

- Selected member (< 12% acceptance rate) of Quantitative Team, and received introductory Quantitative Finance training on concepts such as data science, statistical analysis, financial modeling, and portfolio management.
- Collaborated with a junior analyst to engineer a momentum-based alpha trading strategy using Jupyter Notebook, Python libraries (NumPy, pandas), and SIF's infrastructure.
- Co-leading the development of a proof-of-concept for *SIFSearch,* a web application built with Django that leverages Algolia's Search API to enable 20+ club members to upload and search for media in SIF's databases.

Finacle Soft Inc. **Princeton, NJ**

Technology Intern **July 2020 – September 2020**

- Authored documentation for Swift CDS, a digital application for automated credit trading and risk analysis.
- Utilized Python and the QuantConnect platform to learn and document findings on common algorithmic trading practices, and discussed my progress with 10+ interns during weekly stand-up sessions.

PROJECTS

Prudential Annuities Page: Global Technology Hackathon

ReactJS, TypeScript, Python, HTML, CSS, AWS Cloud 9, Amazon S3

- Built a single-page-application with ReactJS that displays 5 years of raw annuity data from an Excel spreadsheet in a consolidated and easily navigable manner, and deployed the website to an Amazon S3 bucket.
- Implemented a Python script to create a JSON file from the annuity data, which the front-end code utilized to present the appropriate metrics in the UI.
- Won 1st Place in Prudential's Global Technology Intern Hackathon.

Automotive Dataset Analysis & Trading Strategy (Source Code)

Python, Jupyter Notebook, yfinance, pandas, NumPy, matplotlib

- Jupyter notebook that analyzes and visualizes trends in automotive stocks (Lucid, GM, and NIO), and runs a mean reversion-based trading strategy on NIO stock from 1 year of historical data.
- Assessed the strategy's performance by comparing its cumulative returns with those of the S&P ADR index.

Random Punch (Source Code)

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

LEADERSHIP

College Park 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 to organize and manage Scholars-related events and initiatives to improve the experience of 500+ students in College Park Scholars.