

# Suryaa Rajinikanth

<https://Sury44.com>

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## CONTACT

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## EDUCATION

Aug 2022 — May 2026

**B.S. in Computer Science, The University of Maryland, College Park**

College Park, MD

GPA: N/A

Relevant Coursework: MATH 141 (Calculus II), MATH240 (Intro to Linear Algebra), CMSC131 (OOP I), CMSC 132 (OOP II)

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## EXPERIENCE

Apr 2022 — Present

**Marketplace Product Manager, TensorDock**

Boston, MA

Full-Stack Developer April 2022 - May 2022:

- Added deployment features to growing cloud GPU platform using **SLURM, Kubernetes, Docker, Python, and JS**
- Helped grow company in monthly revenue by 100x over 6 months (7-figure valuation ~2022)

Marketplace Product Manager May 2022 - Present:

- Pioneered the development of TensorDock Marketplace
  - Product connecting independent hosts around the world with clients, slashing industry prices 10x
- Utilized **Openstack Nova and Open vSwitch**, enabling PCI pass through and secure accessibility over the internet for VMs on host servers
- Created AIO **Python** software for hosts to install dependencies, handle port forwarding, update software, manage VMs, and communicate with main database through **Rundeck**

Apr 2022 — Present

**Software Engineering Intern, CSafe**

Boston, MA

- Worked with Prof. Carl Hobert from Boston University and team to create a beta incident-reporting application
- Utilized **Flutter** to create multi-platform program on a single **Dart** code base
  - Worked with **Firebase Cloud Firestore** for authentication and database storage

Sep 2022 — Present

**Quantitative Analyst, Smith Investment Fund**

College Park, MD

- Student led investment group at the University of Maryland
  - Competitively selected as 1 of 10 freshmen on the team
- Used tools such as **Pandas, TensorFlow, NumPy**, and **Matplotlib** to analyze trends in data
  - Taking rigorous courses under quant team to continue learning

Dec 2017 — Apr 2022

**Software Co-Lead, Stormgears FIRST Robotics**

Boxborough, MA

- Learned the fundamentals of OOP through programming autonomous functions on robots using **Java**.
- Helped manage a sub-team of 10+ students.

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## PROJECTS

Jul 2022

**Python Trading Bot w/ Sentiment Analysis**

- Used PyAlgoTrade library to back trade on pre-existing yfinance data with a simple strategy that **outperformed buying and holding SPY over 20 years**
- Improved model by introducing sentiment analysis on the DistilBERT model to influence buy/sell/hold decisions at the end of each month using historical data from Twitter API

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## SKILLS

Languages: Java, Python, C++, Dart, HTML/CSS/JS

Software: Openstack, SLURM, Flutter, Firebase, Kubernetes, Docker, OpenCV, TensorFlow, NumPy, Pandas