Siddharth Venkatesh

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EDUCATION

Santa Clara University, Santa Clara, CA

B.S., Major- **Computer Science and Engineering**, Minor- **Mathematics**, Jun 2022

- Cumulative GPA 3.39

EXPERIENCE

Cisco Systems, Software Engineer — Aug 2022 - Present

- **Managed 3 of 11 SpringBoot Java** apps, overseeing maintenance and leading development based on new business requirements. Ensured SCA/SAST security compliance, facilitated Kafka messaging, and supported Kubernetes containerization
- Responsible for applications that handled every order passed through Cisco's new cloud supply chain initiative generating **$4 billion** in revenue
- Designed and showcased a proof of concept to integrate a Java application with CyberArk Conjur via REST APIs for improved security. **Implemented modifications across all 11 applications**, ensuring full operation with the Conjur security platform
- Built an in-house tool utilizing Angular's framework to replace Trinamix's Fabconnect tool. It served as a Platform as a Service (PaaS) addition to Oracle Cloud Manufacturing
- **Remodeled order details** by adding an EFF (Extensible Flexfield) by developing a new Order Management extension written in Groovy

Cisco Systems, Software Engineering Intern — Jun 2021 - Sep 2021

- Defined and developed capabilities of an email automation system primarily utilizing MIME messaging protocol in Java to be triggered after a business use case
- **Led a team of 4 in project management,** conceptualizing and delivering a proof-of-concept crowdsourcing platform for Cisco's supply chain planning. Demonstrated possibilities of increased forecasting accuracy to the director
- Collaborated with 3 software engineers to build a web application applying front-end languages adding business functionalities and making it responsive

Cisco Systems, Software Engineering Intern — Jun 2020 - Sep 2020

- Designed and **built 3 pages on a web app dashboard** giving leadership teams better insights and visualizations of all metrics about their team leveraging Angular and SpringMVC
- Implemented HCI principles in the UX design of front-end applications
- Enhanced domain knowledge of the Supply Chain business

PROJECTS

AI/ML Build-A-thon Cisco — May 2023 - Aug 2023

- Created an ML solution to identify anomalous RMA's orders providing leadership with actionable insights, leveraging ML algorithms such as Isolation Forest, Persist AD, InterQuartileRangeAD trained on a FY23 dataset consisting of 33,198 RMA orders
- **Finished 2nd place across an AI/ML build-a-thon** spanning across Cisco Supply Chain

Personal Website — Dec 2021 - Dec 2021

- Built a personal website hosted on GitHub pages, using ReactJS as a framework, employing and enhancing knowledge of HTML, CSS, and JS found here: **https://siddcv.github.io/personalwebsite/#**

Nasdaq Database — Jul 2020 - Sep 2020

- Developed a web scraping tool leveraging Python to compile **10 data points each for around 2830 companies** listed on the Nasdaq, through use of Python data structures
- Added script to upload to a database allowing for easier data visualization

LEADERSHIP EXPERIENCE

Emerging Talent Cisco - San Jose Chapter, Data Analyst Lead — Oct 2022 - Oct 2023

- Standardized event data collection procedures and metrics which were then implemented across all ETC chapters in Cisco
- Extracted insights from event data and presented to ETC leadership every other week and helped **increase attendee satisfaction by 11.34%** from the previous year

Santa Clara University School of Engineering, Peer Advisor — Jun 2021 - Jun 2022

Santa Clara University School of Engineering, Tour Guide — Dec 2019 - Jun 2022

San Francisco 49ers, Guest Service Representative — Jul 2021 - Present

Commuter Student Union - SCU, Club President — Jun 2020 - Jun 2021

Cognizant Digital Leadership Academy, Attendee — Aug 2021 - Aug 2021

SKILLS

- Java, Python, HTML, CSS, JS, TS, C/C++, ARM Assembly, Spring Boot, Spring MVC, Angular, Groovy, REST APIs, ReactJS, Node.js, Kubernetes, Web Scraping, BeautifulSoup, XML Validation, GIT, Excel, Oracle OM, Microsoft Power Automate, JIRA, Agile

CERTIFICATIONS

- Supervised Machine Learning Regression and Classification - DeepLearning.AI
- Python for Everybody Specialization - University of Michigan
- Spring MVC, Spring Boot and Rest Controllers - Coursera

PUBLICATIONS

- Gupta, Gagan; Fenole, Kyle; and Venkatesh, Siddharth, "Container Migration in Ad-hoc Wireless Mesh Networks" (2022). Computer Science and Engineering Senior Theses. 223.