ISHAAN JAFFER

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Education:

Carnegie Mellon University | Pittsburgh, PA | May, 2021
Bachelor of Science in Electrical and Computer Engineering
Minor in Machine Learning

Relevant Coursework:
Graduate Applied Machine Learning | Artificial Intelligence:Representation, Problem Solving | Human Robot Interaction | Introduction To Computer Systems | Principles of Imperative Computation & Data Structures | Fundamentals of Programming

Skills:

- Languages: C/C++, Python, Java, JavaScript, HTML5, CSS, Assembly(x86-64)
- Technologies: Angular, Bootstrap, Git/GitHub, Jupyter, Linux, OpenCV, Pandas, SQL

Work Experience:

CREDIT SUISSE | Big Data and Analytics Team
Summer Technology Analyst | New York City, NY | June '19 - Aug '19

- Designed, developed and implemented a central data catalogue web application that enables Credit Suisse employees to understand and leverage all data sources. Worked with worldwide team across 3 countries.
- Automated 60+ hours process of accounting fraud detection to less than 60 seconds using Machine Learning, in collaboration with the Product Control Technology Team.

Telenav | Search Team
Software Engineering Intern | Santa Clara, CA | June '18 - July '18

- Collaborated with the Vice President of Engineering to develop a robust and scalable Content Management System(CMS) for 500+ websites using Python, Postgresql and REST API.
- Created a web-scraping service to fetch relevant metadata from urls and developed a content search engine.

Vytality | Software Engineering Team
Software Engineering Intern | Remote | June '18 - Aug '18

- Developed a Web Application using the WordNet API to match users based on their health goals
- Worked on implementing a recommender system for ranking questions used to diagnose health conditions

Carnegie Mellon University | Electrical and Computer Engineering Department
Excel Leader | Pittsburgh, PA | Feb '18 - Present

- Teaching Electrical, Computer engineering concepts including Transistors, Diodes, Logic Gates, Operational Amplifiers, Assembly Language, Circuit & Signal Analysis to 30+ students
- Led large group exam review sessions for 150+ students

Selected Projects:

Wearable Device Data Machine Learning Classifier | Winner, MLconf NYC, Top 30 papers

- Optimized and improved the process of classifying a user's movement using wearable device data and a J48 Decision Tree Classifier.

RaffleChain | Winner, Silicon Valley Developer Hackathon, Best Blockchain Implementation

- A Decentralized Web Application to host Raffles. Used the Nebulas infrastructure and Nebpay API to maintain security and deploy user transactions to the blockchain.

DermaDiagnose | *Demo Link*

- A Python application capable of diagnosing skin diseases based on an image taken by a user

Activities and Experience:

Innovation Scholar | Swartz Center for Entrepreneurship | Apr '19 - Present
Founder | MumbaiHacks | Mumbai's first hackathon | Apr '19 - Present
Varsity Swimming | Carnegie Mellon University | Aug '17 - Aug ' 19
Tedx Speaker | Talk on sports, motivation & passion | July '16