Sathvik Koneru

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Check me out on LinkedIn, Medium, and GitHub
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EXPERIENCE

UM Radiology – Computer-Aided Diagnosis Lab Ann Arbor

Undergraduate Research Assistant 2018-Present

- Using feature selection and extraction methods on deep convolutional neural networks to improve efficiency and performance on classification of tumors in digital breast tomosynthesis

Development United San Jose, CA

Software Engineering Intern 2017

- Built a web-crawler in Python to retrieve relevant information (emails, telephone numbers, addresses, etc.) from NGO landing sites

- Also wrote an article on Medium to help market the company

Silicon Valley Youth Debate Academy Saratoga, CA

Co-Founder 2015-2017

- Started a non-profit debate class to teach debate to local elementary and middle school kids

- Created lectures to model real discussion on high school debate topics for classes of over 30

EDUCATION

University of Michigan, Ann Arbor Ann Arbor, MI

Computer Science, Freshman, GPA: 3.71 2018-2022

- Pursuing a Computer Science major. Clubs: Blockchain at Michigan, Wolverine Sports Analytics, Michigan Data Science Team

- Relevant Coursework: EECS 280 (Data Structures), EECS 203 (Discrete Mathematics), MATH 215 (Multivariable Calculus), EECS 183 (Elementary Programming Concepts)

Saratoga High School Saratoga, CA

GPA: 4.3 2014-2018

- Graduated with Honors. Coursework: AP Computer Science, AP Calculus BC, AP Statistics, AP Chemistry, AP Physics, AP Biology, AP Language, AP Government, AP US History

- Clubs: Debate, Global Health

SKILLS

- C++/Python/Java
- Machine Learning: numpy, pandas, matplotlib, scikit-learn, tensorflow
- Web Development: JavaScript/HTML/CSS, Node.js, Bootstrap, React
- iOS Development: Swift/Xcode/Firebase
- SQL/MySQL
- Matlab

PROJECTS

iFall

- An iOS application I made that is targeted at detecting falls in the older population and quickly notifying emergency contacts to save valuable time for an emergency medical response. Technologies used: Swift/CoreMotion/Twillio/Machine Learning

NGOpycrawler

- A web-crawler I created for Development United that leverages regex to find relevant NGO data online. Technologies used: Python/Scrapy

ONLINE COURSEWORK

Coursera

- Received certifications in the courses Introduction to Data Science in Python and Applied Machine Learning with Python