

Sai Manukonda

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EDUCATION

Rutgers University – New Brunswick, NJ

Bachelor of Science, Computer Science (Minor - Math)

Expected Grad: January 2024

Cumulative GPA – 3.54 | Major GPA – 3.7

Relevant Coursework:

Past - Data Structures, Linear Algebra, Intermediate Statistical Analysis.

Spring 2022 – Discrete Mathematics, Computer Architecture, Multivariable Calculus.

West Windsor Plainsboro High School North – Plainsboro, NJ

Graduated: June 2021

Relevant Coursework - AP Computer Science A, AP Calculus BC, AP Physics, AP Microeconomics, AP Macroeconomics, AP Statistics, AP Psychology, AP Art History, AP Human Geography, Advanced Topics in Computer Science (equivalent to Data Structures)

TECHNICAL SKILLS

Languages: Python, Java, R, HTML/CSS, JavaScript, MATLAB

Technologies/Frameworks: React.JS, Node.JS, MongoDB, Express, Pandas, NumPy, Matplotlib, Flask, Bootstrap

EXPERIENCE

Code Ninjas | Coding Instructor – Princeton, NJ

Sep. 2019 – Jan. 2020

Introduced children ages 7-14 to programming and robotics. Utilized the center's curriculum, which was mainly focused on Java script. Concepts ranged from making simple games and webpages all the way to making IOS apps.

PERSONAL PROJECTS

Email – Node.JS, Express, React.JS, MongoDB | <https://github.com/SaiManukonda/Email>

Full stack web application that allows companies and organizations to send out surveys to their customers. Used Google OAuth for authentication, Stripe for payments, and Send Grid to send out the emails. Used Mongoose.JS to aid with the use of MongoDB. Takes the surveys that these companies inputted and sends it to the emails that were provided. There is a dashboard, which was built using React.JS, where these companies can view their survey results.

Safe Search – Flask, HTML/CSS/JS, Bootstrap | <https://github.com/SaiManukonda/Safe-Search>

Safe Search tells its users when it is safe to visit a certain place. This app was built specifically for covid, a time when it is best to avoid big crowds. Used Flask and Google Places API for the backend. Used Bootstrap for the front end. The app fetches data from different sources and analyzes when a certain place will not be busy and displays it to the user.

Mirror Dashboard – Python, HTML, google-cloud, raspberry-pi | <https://github.com/dwang/teenhacksli-2019>

Mirror Dashboard allows its users to be constantly updated about current events despite limited connectivity as a result of network congestion. Mirror Dashboard checks for internet access periodically and updates the site's information from a Google Cloud Compute Engine VM that scrapes the important content. The site can be accessed through the raspberry-pi WIFI network. This was built during the TeenHacksLI hackathon.

LEADERSHIP/EXTRACURRICULAR

USACS | Rutgers

USACS aims to connect the Rutgers University Computer Science community with each other. USACS meets at a place called the cave, where the members collaborate to solve world problems with the help of computer science.

AWARDS/HONORS: National AP Scholar, SAT – 99th percentile, Deans List