Sai Manukonda

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EDUCATION

Rutgers University – New Brunswick, NJ **Expected Grad: May 2024**
Bachelor of Science, Computer Science (Minor - Math) **Cumulative GPA – 3.68 | Major GPA – 3.83**
Relevant Coursework**:**

Past - Data Structures, Computer Architecture, Discrete Structures I, Intermediate Statistical Analysis, Calc III.
Fall 2022 – Systems Programming, Principles of Programming Languages, Discrete Structures II, Linear Optimization.

TECHNICAL SKILLS

Languages: Python, Java, R, HTML/CSS, JavaScript, MATLAB, C
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 simples games and webpages all the way to making IOS apps.

PERSONAL PROJECTS

Emaily – Node.JS, Express, React.JS, MongoDB **|** https://github.com/SaiManukonda/Emaily

- Allows companies and organizations to send out surveys to their customers and view the statistics of the survey.
- Used Google OAuth for authentication, which was implemented with the help of Mongoose.JS.
- Used Stripe for payments since sending each email would cost a couple cents to the organization.
- Implemented a dashboard using React.JS to view the survey results.

Anime Central – Flask, Beautiful Soup, Python, HTML/CSS/JS**|** https://github.com/SaiManukonda/Anime-Central

- Scrapes information of 3300 Anime titles, from 1980 to 2021, using the Wikipedia API, and stores it in a JSON file.
- Grouped the Anime titles by Genre, year of release and ratings to let the user view similar titles.
- Used cookie sessions to store the watch history of a user, and what type of Anime they like.
- Implemented a recommendation system, which considers the previous Anime titles watched.

Safe Search – Flask, HTML/CSS/JS, Bootstrap, Google Cloud **|** https://github.com/SaiManukonda/Safe-Search

- Built specifically for covid, to view when it is safe to visit a certain place.
- Google Places API was used to get the traffic data and information about a certain place, which the user inputs.
- Used the traffic data to make a list of time slots of when it is safe to visit a certain place.

Mirror Dashboard – Python, HTML, google-cloud, raspberry-pi **|** https://github.com/SaiManukonda/MirrorDashboard

- Allows the user to be constantly updated about current events despite limited network connectivity.
- Checks for internet access periodically and updates the site's information from a Google Cloud compute Engine VM.
- Scrapes important content such as first aid, weather, and recent breaking news from sites like CNN.
- Redirects the user to the site with all the information when connected to the raspberry pi WIFI hotspot.

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 (all semesters)