

Sai Manukonda

saimanukonda24@gmail.com | 732-666-8246 | <http://linkedin.com/in/sai-manukonda-9607621a1> | github.com/saimanukonda | saimanukonda.me

EDUCATION

Rutgers University – New Brunswick, NJ

Bachelor of Science, Computer Science (Minor - Math)

Expected Grad: May 2024

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

Quiddity Infotech | *Software Engineer Intern* – Little Elm, TX

May 2022 – Aug 2022

- Worked on an internal time tracking tool. (Frontend – React.JS, Backend – Node.JS, Database - MongoDB).
- Used Docker to containerize the code, which helped with scalability and efficiency.
- Successfully troubleshooted and improved the code to decrease the average runtime by 30%.
- Presented daily findings and progress to the team and brainstormed on solutions for the next task/problem.

Code Ninjas | *Coding Instructor* – Princeton, NJ

Sep 2019 – Jan 2020

- Utilized the center's curriculum, which was mainly focused on Java script, to introduce programming and robotics to children ages 7-14.
- 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>

- 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, BeautifulSoup, 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.
- Implemented Google Places API 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.

AWARDS/HONORS: National AP Scholar, SAT – 99th percentile, Deans List (all semesters)