

Sai Manukonda

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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 1, Intermediate Statistical Analysis, Calculus 3.
- Current - Systems Programming, Discrete Structures 2, 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

- Refined an internal time tracking tool. (Frontend – React.JS, Backend – Node.JS, Database - MongoDB).
- Containerized the code using Docker, which helped with scalability and efficiency.
- Improved the code readability and troubleshooted the code to decrease the average runtime by 30%.
- Presented daily findings and progress to a team of 5 and brainstormed on solutions for the next task/problem.

Code Ninjas | *Coding Instructor* – Princeton, NJ

Sep 2019 – Jan 2020

- Adapted the center's curriculum to introduce programming and robotics to children ages 7-14.
- Instructed over 50 kids that come to the center in concepts ranging from making simple games and websites using JavaScript all the way to making IOS apps.

PERSONAL PROJECTS

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

- Introduced a system for companies and organizations to send out and view statistics of surveys to customers.
- Enabled Google OAuth for authentication with the help of Mongoose.JS for a secure login.
- Implemented Stripe API for payments since sending each email would cost around 2 cents to the organization.

Anime Central – Flask, BeautifulSoup, Python, HTML/CSS/JS | <https://github.com/SaiManukonda/Anime-Central>

- Scraped information of 3300 Anime titles, from 1980 to 2021, using the Wikipedia API, and stores info in a JSON file.
- Grouped the Anime titles into 10 different Genres, year of release and ratings to let the user view similar titles.
- Devised a cookie session to store the watch history, and what type of Anime the user likes.
- Developed a recommendation system, which considers 4 different metrics including recently watched Anime, most liked genre, release year, and production studio.

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

- Started specifically for Covid, to find out safe times to visit a certain place.
- Implemented Google Places API to get the traffic data and information about a certain place, which the user inputs.
- Interpreted the traffic data to make a list of safe time slots throughout the day and displayed to the user.

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

- Updated the user constantly about current events despite limited network connectivity.
- Checked for internet access periodically and updated the site's information from a Google Cloud compute Engine.
- Scraped important content such as first aid, weather, and recent breaking news from sites like CNN.
- Redirected 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)