# 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.
- Stripe was used for payments as sending each email would cost a couple cents to the organization.
- A dashboard, which was implemented using React.JS, is present to view the survey results.

**Anime Central** – Flask, Beautiful Soup, 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 stored it in a JSON file.
- Anime titles were grouped into separate categories such as genre and year of release.
- A website is built to view the Anime titles by category, and to keep track of all the Anime titles watched.
- A recommendation system is present, which considers the previous Anime titles watched.

**Safe Search** – Flask, HTML/CSS/JS, Bootstrap, Google Cloud **|** https://github.com/SaiManukonda/Safe-Search
- A Web Application, which was 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.
- The traffic data was then used 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.
- The engine scraped important content such as first aid, weather, and recent breaking news.
- The user will be redirected 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)