MICHAEL MANIAN

New Jersey | michaelrmanian@gmail.com | https://github.com/mrmanian |
https://linkedin.com/in/michael-manian/ | https://mrmanian.herokuapp.com/

EDUCATION

New Jersey Institute of Technology   **Sept 2017 - Present**

Bachelor of Science, Computing and Business   Newark, NJ

- GPA: 3.695 (Expected graduation: May 2021).
- Coursework: Probability & Statistics, Business Data Analytics, Software Engineering, Database System & Design

PROJECTS

CakeWalk   **Nov 2020 – Dec 2020**

- Worked on a project as a team of 4 by using version control and agile to collaborate with engineers from Facebook and Uber to create and implement a project management dashboard web app where users login **using Facebook OAuth** or **Google OAuth** and can view, complete, set deadlines, and assign projects or tasks with one another.
- Implemented full stack development which included 92% code coverage, unit testing, continuous integration, daily meetings and standups with an industry mentor, creation of a tech spec with accompanying wireframes, and deployment to Heroku. Designed using **Flask**, **React.js**, **HTML5**, **CSS3**, **Socket.IO**, and **PostgreSQL**.
- Performed part-time project manager roles/responsibilities which included guiding, planning, communicating with my team such that all tasks are completed in a timely manner and everything functioned properly.

Recipe Generator   **Oct 2020**

- Created a web app that pulls data from Twitter and Spoonacular **API** used to generate random dessert recipes and related tweets on refresh. Implemented a search feature so users can search for custom recipes. Designed using **Flask**, **HTML5**, **CSS3**, **Bootstrap 4**, and **jQuery** and deployed using Heroku.

IBM Data Science Capstone   **Aug 2020 - Sept 2020**

- Built a machine learning model in **Jupyter** Notebook using various **Python** libraries, **SQL**, statistical k-means clustering, and Foursquare **API** to solve a real-world hospital shortage problem during a pandemic in New Jersey.
- Determined various locations based on population, income, and the number of towns and hospitals per county, where building an additional hospital would help combat this shortage problem.

WORK EXPERIENCE

St. Joseph's Hospital   **June 2018 - Sept 2018**

IT Consultant   Paterson, NJ

- Reduced time spent on inventory and increased productivity by 50% by reorganizing physical storage of supplies.
- Steered company through a critical transition into a new software system by efficiently installing and configuring 300 Connectivity Engines and Device Adapters into patient rooms, resulting in faster data transfers and ease of use.
- Troubleshot 15 support tickets in 2 weeks by providing technical support after the new software system went live.

EXTRACURRICULARS

IBM Data Science Specialization   **June 2020 - Aug 2020**

- 9 course specialization covering data methodology, machine learning, data visualization, and data analysis using IBM Watson, **SQL**, **API's**, and various **Python** libraries such as **Pandas**, **Matplotlib**, **Sklearn**, and **NumPy**.

Quantum Data Analytics Program   **July 2020 - Aug 2020**

- Wrangled customer transaction datasets using **Python** and **Jupyter** Notebook and formulated insights using statistics to determine best performing stores. Prepared a final report for the manager following the Pyramid Principal model.

LEADERSHIP

Iota Nu Delta Fraternity Inc.   **Sept 2018 - Sept 2020**

Vice President and Philanthropy Chair   Newark, NJ

- Managed relations with the National Board and maintained an internal and external operating structure within the chapter which resulted in a 50% increase in recruitment numbers and an 80% increase in social activities.
- Organized and led over 15 philanthropy events over a span of two years through constant collaboration, communication, and leadership which resulted in raising over $1500 to donate to local charities and organizations.

SKILLS

Soft Skills: Leadership, Communication, Collaboration, Time Management, Problem-Solving, Hardworking, Creative
Languages and Tools: Python, C, Flask, React,js, JavaScript, Git, GitHub, SQL, AWS Cloud9, PyCharm, HTML5, CSS3, Jupyter Notebook, Heroku