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Aadil Glasswala

Education

Sep 2016 - **Computer Science**, *Montclair State University*, Montclair, NJ.

- May 2020
- Computer Club, hosts of the annual HackHawk.io Hackathon
 - Blockchain Club, founding member

Experience

Jun 2018 – **Assistant Researcher**, *Department of Computer Science*, Montclair, NJ.

- Present
- Devised main Deep Feedforward Neural Network to accurately detect up to four intrusions on time series data with a 98% verification score
 - Designed multiple Recurrent Neural Networks for classification and regression tasks with Google's Tensorflow API and Keras API in Python
 - Expedited development of algorithm by gathering large collections of viable data and preprocessing data for compatibility

Jul 2016 – **Formalwear Specialist**, *Dante Tuxedo*, Verona, NJ.

- Present
- Developed Web Application that keeps track of each employees hours by using Twilio's API to send and receive text messages alerting users to log in time
 - Utilizes Google Spreadsheet's API to store each employees hours which is currently used by every employee

Skills

Languages: Java, Python, Javascript, HTML, CSS

Tools: React.js, Node.js, Express.js, PostgreSQL, Git/GitHub

Projects

Aug 2018 - **Face Detection App**, *Personal*.

- Nov 2018
- Engineered full stack website using React, Node, Express and PostgreSQL. The application allows users to submit a url of an image and returns a picture with all faces identified
 - Incorporated Clarifai API that receives the url and sends back coordinates for each face location
 - Implemented features such as a full login and registration system which also uses Bcrypt to hash passwords before storing in PostgreSQL database. The system also tracks each users submission count every time they log in and submit an image

Aug 2018 - **Turtle Traveler**, *Personal*.

- Oct 2018
- Developed frontend website using HTML, CSS and Bootstrap 4 where users could select given airports and find the shortest distance from each entry point
 - Utilizes Dijkstra's algorithm in Javascript and outputs path to dynamic Bootstrap cards with real world pictures and flight information

Nov 2018 **StudyWITus**, *HackWITus*, *Hackathon*.

- Constructed full front end web application incorporating Bootstrap 4 and Javascript. The app allows students to set up specific study sessions with other students all around campus
- Led a team of four others to develop system within a 24 hour time frame and place 2nd