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Aadil Glasswala

Education

Sep 2016 -
May 2020

Computer Science, *Montclair State University*, Montclair, NJ.
- Computer Club, lead organizer of the Montclair's annual HackHawk.io Hackathon
- Blockchain Club, founding member and event organizer

Experience

Jun 2018 –
Present

Assistant Researcher, *Department of Computer Science*, Montclair, NJ.
- Devised main Deep Feedforward Neural Network to accurately detect up to four intrusions on network 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 datasets and preprocessing 85% of data for optimal compatibility

Jul 2016 –
Present

Formalwear Specialist, *Dante Tuxedo*, Verona, NJ.
- Developed system to keep track of employee hours by sending out daily messages using Twilio's API and storing data in Google Sheets with daily and bi-weekly alerts
- Reduced total hour logging errors by 90%, also currently being used by all employees completely engineered in Javascript

Skills

Languages: Java, Python, Javascript, HTML, CSS

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

Projects

Aug 2018 -
Nov 2018

Face Detection App, *Personal*.
- 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 utilizes 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 -
Oct 2018

Turtle Traveler, *Personal*.
- 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