SHREYAS ANGARA

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EDUCATION

University of Virginia, Class of 2022 Charlottesville, VA
Bachelor's Degree, Computer Science (Intended)
Relevant Fall 2018 Courses: Calculus III, Software Dev Methods, Discrete Mathematics
Thomas Jefferson High School for Science and Technology, Class of 2018 Alexandria, VA
GPA: 4.36, SAT: 1540/1600, National Merit Commended Student, National AP Scholar
Relevant Courses: Artificial Intelligence, Mobile App Development, Web App Development, AP Calculus BC, AP Physics C, AP Economics, AP Chemistry, AP Computer Science A

SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, R
Expertise: Artificial Intelligence, Machine Learning, Data Science, Web Development
General: Public Speaking, Microsoft Office, Child Care

PROJECTS

C2RAN: A Web Application to Assess Cervical Cancer Risk Using an Artificial Neural Network (Code available at https://github.com/shreyas00023/siemens2017)
August 2017 – September 2017

I built a local application that took the lifestyle habits of a women and assessed her risk of cervical cancer. The application's user interface was built using a Node.js framework. On the backend, the data was assessed with a neural network built using the Python Scikit-Learn's MLP Classifier and a risk score was outputted.

Hello World: A Cross-Language Real-Time Chat Web Application
August 2017 – June 2018

I built a simple public web chat application that would take a user's input text and translate it to a different language before displaying it onto the chat. I built the application using a Node.js framework and the Express module. I created the chat functionality using Socket.io and integrated the translation function using the Yandex Translate API through a JQuery AJAX call.

WORK EXPERIENCE

CGH Technologies – Herndon, VA June 2016–August 2016 & June 2017–August 2017
2017 Intern

I worked on Machine Learning project and took an online course to learn machine learning. I learned various algorithms such as: Naïve Bayes, SVM, Decision Trees, K-nearest Neighbors, Random Forest, Adaboost, Text Analysis, and explored TensorFlow. I created a final mini-project in Python which ran sentiment on news RSS feeds.

2016 Intern

I worked to build an application for pilots to centralize key information and for construction companies to streamline FAA permit process. I learned Angular JS, Bootstrap, Cordova, and expanded HTML/CSS knowledge in the process.