Suha Sabi Hussain

PERMANENT ADDRESS Ozone Park, New York   **CURRENT ADDRESS** Atlanta, Georgia
PERSONAL WEBSITE sshussain.me   **PHONE NUMBER** 347-833-9675   **EMAIL** suhashussain1@gmail.com

Experience	**Engineering Research Intern**	June 2017 - June 2019

Engineering Research Intern   June 2017 - June 2019
NYU CENTER FOR CYBERSECURITY

-Developed a new method for the exploitation of speech recognition systems to highlight a major security flaw based upon previous research in machine learning and cybersecurity

> Honors and Awards: Invited talk at the NSA. C3E Workshop Presentation and Publication. Intel ISEF 2nd Award. Shanghai STEM Cloud Award. NSA-RD 2nd "Science Security" Award. GoDaddy Data Award. ACM 4th Award. NYCSEF 1st Award. Sarah and Morris Wiesenthal Award. Naval Science Award. NYU Tandon Press Release

-Researched, designed, and implemented a novel state-of-the-art machine learning-based and hardware-theoretic methodology to detect privacy violations in children's apps on the Android platform

> Honors and Awards: ACM 1st Award. NSA-RD 1st "Science Security" Award. NYCSEF 1st Award. Invited talk at the NSA. IEEE TIFS Journal Submission

Machine Learning and Hardware Engineering Consultant and Tutor   January 2017 - December 2018
FREELANCE

-Coached and assisted startups and students in the development of machine learning and hardware solutions, including text analysis software and Raspberry Pi-based WiFi extenders

Hardware Engineering Intern   June 2016 - August 2016
VENGO LABS

-Assisted in rapid prototyping for product development, notably building a conveyor belt
-Developed and documented various technical procedures and tools while troubleshooting issues

Education

Georgia Institute of Technology   August 2019 - May 2023
B.S IN COMPUTER SCIENCE

-Concentrations: People and Intelligence. Minor: Materials Science and Engineering. Honors Program

Queens High School for the Sciences at York College   September 2015 - June 2019
HIGH SCHOOL DIPLOMA

-Specialized high school in New York City. All honors or AP courses. Overall GPA: 96.37/100

> Honors and Awards: Principal's Honor Roll and List. Gurion Willett Award for Excellence in Science and Mathematics. Silver Medal for Excellence in English. UFT Certificate of Merit for Outstanding Achievement in Computer and Technology Applications. Math Research Award. Awards for Superior Achievement on the Advanced Placement US History, World History, and Statistics Exams. English Department Certificate for Excellence in Reading. Press Release.

Certificates

Facebook and Udacity: Secure and Private AI   June 2019 - July 2019
Google igniteCS Bootcamp at Columbia University: Data Science   October 2017 - March 2018

Involvement

Chief Trainer and Head Teaching Assistant of QHSS Math Research   June 2017 - June 2019
Founder and Captain of QHSS Team Cyber and the Da Vinci Experiment   October 2017 - June 2019
Satellite Member of QHSS Urban Sketchers   October 2017 - June 2019
Founder and Captain of the QHSS Robotics Team   November 2016 - June 2019
Chief Engineering and Technology Officer of QHSS STEMinism   October 2015 - June 2019

Skills

Languages: English, Bengali
Technical Languages: Python, Matlab, Octave, BASH, HTML, CSS, C, C++, Assembly, LaTeX
Frameworks and Toolkits: PyTorch, Scikit-Learn, Bootstrap, TensorFlow, Android Studio, Kali Linux
Prototyping: 3D Printing, Blender, Arduino, Raspberry Pi, AutoCAD, Eagle PCB
Other: Machine Learning, Cybersecurity, Data Science, Writing, Public Speaking, Teaching