

Suha Sabi Hussain

PERMANENT ADDRESS Ozone Park, New York **CURRENT ADDRESS** Atlanta, Georgia
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Experience	Engineering Research Volunteer GEORGIA INSTITUTE OF TECHNOLOGY (ADVISOR: DR. WENKE LEE) August 2019 - December 2022 -Implementing speech recognition modules within MLSploit (adversarial machine learning framework)
	Engineering Research Intern NYU CENTER FOR CYBERSECURITY (ADVISOR: DR. RAMESH KARRI) June 2017 - June 2019 -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 <u>Honors and Awards:</u> 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 <u>Honors and Awards:</u> IEEE TIFS Journal Submission. ACM 1st Award. NSA-RD 1st "Science Security" Award. NYCSEF 1st Award. Invited talk at the NSA. NYC JSHS Semifinals 3rd
	Machine Learning and Hardware Engineering Tutor FREELANCE January 2017 - December 2018 -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 VENGO LABS June 2016 - August 2016 -Assisted in rapid prototyping for product development, notably building a conveyor belt -Developed and documented various technical procedures and tools while troubleshooting issues
	Georgia Institute of Technology B.S IN COMPUTER SCIENCE (HONORS PROGRAM) August 2019 - May 2023 -Concentrations: People (Human-Centered Computing) and Intelligence (Machine Learning) -Involvement: RoboJackets Intelligent Ground Vehicle. Student Alumni Association. Boxing -Relevant Coursework: Introduction to the Microelectronics and Nanotechnology Revolution. Introduction to Computing. Privacy Technology, Policy and Law.
Education	Queens High School for the Sciences at York College HIGH SCHOOL DIPLOMA September 2015 - June 2019 -Involvement: Chief Trainer and Head Teaching Assistant of Math Research. Founder and Captain of the Robotics Team. Founder and Captain of Team Cyber (DVE). CTO of STEMInism. ARISTA. Urban Sketchers. <u>Honors and Awards:</u> NY State Senate Youth Leadership Recognition. Principal's Honor Roll/List. GW 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 AP US History, World History, and Statistics Exams. ED Certificate for Excellence in Reading. Joseph E. Collins Scholarship.
Certificates	Google igniteCS Bootcamp at Columbia University: Data Science October 2017 - March 2018
Skills	Technical Languages: Python, Matlab, 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: Agile, Machine Learning, Cybersecurity, Data Science, Writing, Public Speaking, Teaching