

Suha Sabi Hussain

PERMANENT ADDRESS Ozone Park, New York **CURRENT ADDRESS** Atlanta, Georgia
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Experience	Machine Learning Security and Privacy Research Assistant August 2019 - Present GEORGIA INSTITUTE OF TECHNOLOGY: INSTITUTE FOR INFORMATION SECURITY & PRIVACY -Building a module for differential privacy and speech recognition within a cloud-based adversarial machine learning web service (MLSploit)
	Machine Learning Security and Privacy Research Intern June 2017 - June 2019 NYU CENTER FOR CYBERSECURITY -Designed, implemented, and presented 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> Invited talk at the NSA - Board of Directors. IEEE TIFS Submission. ACM 1st Award. NSA-RD 1st "Science Security" Award. NYCSEF 1st Award. NYC JSHS SF 3rd. -Developed, published, and presented a new method for the exploitation of speech recognition systems to highlight a major security vulnerability <u>Honors and Awards:</u> Invited talk at the NSA - Research Directorate. 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
	Machine Learning and Hardware Engineering Tutor January 2017 - December 2018 FREELANCE -Assisted with the development of machine learning and hardware solutions, including RFID and CNNs
	Hardware Engineering Intern June 2016 - August 2016 VENGO LABS -Contributed to rapid prototyping for product development, notably building a conveyor belt -Developed and documented various technical procedures and tools while troubleshooting issues
	Robotics Software Engineer August 2019 - Present ROBOJACKETS INTELLIGENT GROUND VEHICLE COMPETITION -Redesigning and deploying an object recognition system for an autonomous vehicle
Education	Georgia Institute of Technology August 2019 - December 2022 B.S IN COMPUTER SCIENCE -Honors Program. Threads in People and Intelligence -Relevant Coursework: Microelectronics and Nanotechnology. Privacy Technology, Policy and Law Queens High School for the Sciences at York College September 2015 - June 2019 HIGH SCHOOL DIPLOMA -Involvement: Head TA-Math Research. Founder+Captain-Robotics+Team Cyber. CTO-STEMinism. Art <u>Honors and Awards:</u> NY State Senate Youth Leadership Recognition. Principal's Honor Roll/List. GW Award for Excellence in STEM. Silver Medal for Excellence in English. UFT Certificate of Merit for CS Applications. Math Research Award. Awards for AP Statistics, US, and World History. 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, Bash/Shell, C/C++, Assembly, HTML, CSS, LaTeX, Matlab Frameworks and Toolkits: PyTorch, Scikit-Learn, Bootstrap, TensorFlow, Android, Linux, ROS Prototyping: Jupyter Notebooks/Google Colab, 3D Printing (Blender), Arduino, AutoCAD, Eagle PCB Other: Agile, Adobe Illustrator, Privacy Compliance, Privacy Impact Assessments (PIA)