# SUMEDH SURYA GARIMELLA

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**EDUCATION**

**GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing Atlanta, Georgia**

***Master of Science in Computer Science (Machine Learning)*** *August 2022 – May 2023*

***Bachelor of Science in Computer Science (Intel-Info Threads)*** *May 2022,* GPA: 3.74

***Minor in Music Technology***

**Honors/Awards:** National Merit Scholar, Highest Honors, Faculty Honors, Dean’s List. 2-time winner at HackGT

**Relevant 2021-22 Coursework:** Robot Intelligence: Planning, Computer Vision (Spring 2022), NLP (Spring 2021)

**EXPERIENCE**

**NCR Atlanta, Georgia**

***Software Engineering Intern, Team Shasta (Retail)*** *May - August 2022*

* In an Agile team, built endpoints in Go for a cash management application to push transaction data to NCR’s BSL APIs and BigQuery/GCP.
* Performed QA testing using SQL queries and Postman calls on simulated transaction data.
* Developed the MongoDB environment for a hackathon project involving facial recognition at self-checkouts.
* Created a Go module and gave a talk for a company-wide conference while learning the language

**BANK OF AMERICA Richmond, Virginia (remote)**

***Global Technology Summer Analyst, Chief Data Office*** *June - August 2021*

* Used Regex and NLP techniques to classify confidential and proprietary bank documents
* Performed daily quality control checks/analyses on internal data (>1,000,000 records) using SQL and Excel

**GEORGIA TECH COLLEGE OF COMPUTING Atlanta, Georgia**

***Teaching Assistant, CS 3600*** *January 2022 -*

***Senior Teaching Assistant, CS 2340*** *January 2020 - December 2021*

* Built a course resources/practice website used by over 500+ students and managed 6 other developers

**PROFESSIONAL DEVELOPMENT**

**GEORGIA INSTITUTE OF TECHNOLOGY**

**Atlanta, Georgia**

***Student Researcher, Autonomous and Connected Transportation VIP Team*** *August 2020 –*

* Processed vehicle data (>10000 timepoints), used KNN Regression data imputation to fill simulated missing data
* Used AWS Rekognition (computer vision) to detect possible distractions for human drivers

***Team Lead/Researcher, Smart City Infrastructure VIP (Vertically Integrated Project) Team*** *January 2019 – May 2020*

* Worked with 4 other researchers on triangulating road curves from GPS input and determining advisory speeds and proper signage (in partnership with GDOT)

**HACKATHON PROJECTS**

* + uil (PennApps 2020): Built a WhatsApp chatbot with a Google NLP backend to provide context to news headlines (Twilio API, Python, Flask)
	+ whatsgood (HackGT 2021): Built a web app with two-classifier backend for parsing menus from Yelp‘s Fusion API (scikit-learn, Firebase, Python, Flask, web scraping, Yelp Fusion API)

**SKILLS/INTERESTS**

**Certified skills: Java, Microsoft Word, Machine Learning, Python, Go**

**Other skills/technologies used: HTML/CSS, JavaScript, Android, Flask, scikitlearn, nodeJS, SQL, React, React Native, MongoDB, Agile, Azure, Git**

**Affiliations:** GT RoboCup (robotic soccer), GT Quiz Bowl (developed website, competed in 10+ tourneys), Bits of Good (full-stack development for non-profits), Student Government Association (sexual violence advocacy)

**Interests:** Auditioned for Jeopardy! twice, music production (2400+ plays on Spotify, 1 album), DJing (Opened for Kid Koala in February 2020 and Blackbear at 2021 Homecoming Concert)