

Aarush Lanjharia

alanjharia at gmail dot com | Atlanta, GA
www.linkedin.com/in/aarushl | www.github.com/aarushmagic | www.aarushl.com

EDUCATION

Georgia Institute of Technology (GT), Atlanta, GA May 2028
Bachelor of Science in Computer Science; Threads: Intelligence & Cybersecurity; Honors Program; GPA: 4.00/4.00
Relevant coursework: Intro to AI, Data Structures & Algorithms, Design & Analysis of Algorithms, OOP, Applied Combinatorics

WORK EXPERIENCE

Georgia Institute of Technology, CS 3237 Teaching Assistant, Atlanta, GA August 2025 – Present

- Led office hours and evaluated student work to promote critical thinking around human factors in cybersecurity and privacy
- Co-developed curriculum for a new cybersecurity course, boosting student comprehension and interest as the first undergrad TA

Georgia Tech John H. Martinson Honors Program, Makerspace Student Assistant, Atlanta, GA January 2025 – Present

- Managed 3D printers, user certifications and developing training materials for 1000+ students as the first & only makerspace assistant
- Built Python and Google App Script automation systems with data validation and API integration to streamline logging and usage

Knack, Peer-Tutor, Atlanta, GA August 2024 – Present

- Conducted 125+ hours of one-on-one tutoring sessions for Calculus, Linear Algebra, Discrete Math and Intro to Computing
- Supported 20+ students at Georgia Tech as an official peer tutor through tailored support and effective communication

MAD-learn, Summer Intern, Atlanta, GA May 2023 – August 2023

- Developed app templates and prototypes, enabling students to create custom apps with intuitive interfaces
- Devised SEO improvement strategies for MAD-learn through detailed research and reporting enhancing platform visibility

PROJECTS

Travel Itinerary Generator April 2025

- Built a Django web app for travel planning with itinerary creation features, weather, and routing via Google Maps and weather APIs
- Built the UI with HTML/CSS/JS and integrated a weather API, enabling users to make real-time, weather-informed travel plans
- Worked in a team that used the agile framework to build a dual-profile system enabling tourists to plan trips and locals to share POIs

AI Chatbot April 2025

- Built a conversational agent in DialogFlow CX to teach and compare observer, composite, and strategy software design patterns
- Designed flexible dialog flows to define patterns, give examples, and handle user-initiated comparisons between any two
- Integrated phone API functionality, enabling users to interact with the agent via live phone calls

RSA Encryption/Decryption Program December 2024

- Developed an interactive educational tool, enabling users to explore RSA encryption and understand cryptographic principles
- Created a JavaScript algorithm for RSA encryption, including prime generation, modular exponentiation, and base conversions
- Explained RSA's mathematical foundation and security, covering key generation, encryption/decryption, and critical vulnerabilities

Sundial Template Generator June 2024

- Developed an interactive website using HTML/JavaScript/CSS, allowing users to generate custom printable Sundial templates
- Implemented algorithms to calculate and render accurate sundial designs based on user-input or auto-detected location
- Used a hidden HTML canvas to render templates, supporting various design options such as pocket and table sundials

LEADERSHIP/CLUBS

Founder & President, Magicians at Georgia Tech September 2025 – Present

- Founded a new student organization and recruited 30+ inaugural members within two weeks through targeted advertising
- Authored the club constitution, secured a faculty advisor, and managed the official Registered Student Organization initiation process

Member, Little Einsteins Organization January 2025 – Present

- Collaborate with fellow members to design and deliver engaging STEM lessons for K–5 students in under-resourced Atlanta schools
- Volunteer weekly to assemble STEM experiment kits, distributed to Fulton County Libraries to expand access beyond the classroom

HONORS AND AWARDS

2 nd Place in the GA Student Technology Competition	1 st Place Team in the GA State Calculus Competition
Tom Morley Award in Multivariable Calculus (Top 2% of Class)	Tom Morley Award in Linear Algebra (Top 2% of Class)

SKILLS

Languages: Python, Java, JavaScript, Google Apps Script, HTML5/CSS3
Frameworks & Libraries: Django, DialogFlow CX, NumPy, SciPy, JavaFX
Developer Tools: Git, GitHub, Google Cloud Platform, VS Code
Generative AI: OpenAI API, Google Gemini, GitHub Copilot
Certificates: AHA Basic Life Support, ARC Deep Water Lifeguard & Emergency Oxygen, QPR Suicide Prevention, OSHA General Industry