

# Raasikh Kanjiani

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## EDUCATION

### Emory University

*Bachelor of Science in Computer Science, Minor in Mathematics*

Atlanta, GA

Aug. 2023 – May 2026

### University of Georgia

*Bachelor of Science in Computer Science, New Media Certificate*

Athens, GA

Aug. 2022 – May 2023

**Coursework:** Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Linear Algebra, Systems Programming, Computer Architecture.

**Programming Languages:** Java (Advanced), Python (Advanced), Swift (Intermediate), C (Intermediate), R (Intermediate), Objective-C, Assembly, JavaScript, SQL, Lua, Latex.

## EXPERIENCE

### Research Intern (NSF REU)

*Emory University*

June 2024 – Present

Atlanta, GA

- Develop a scientific-contribution-aware literature review generation model by incorporating a RAG graph neural network with a dataset of 690,000+ papers and 10,000+ literature reviews.
- Implement recently published models and research metrics to compare and quantify the model's performance.

### iOS App Development Intern

*USA Boccia*

Jan. 2024 – May 2024

Remote

- Streamlined game-keeping in 500+ annual Boccia matches by developing a modern, internationally regulation-compliant match-keeping app using Swift, Objective-C, SwiftUI, and the Core Data framework.

### ArcGIS Mapping Team Leader

*State Botanical Garden of Georgia*

Aug. 2022 – May 2023

Athens, GA

- Decreased data logging time by 90% by engineering a data pipeline using Python and the OpenPyXL library to automate the plotting of 11,047 taxa into an ArcGIS map.
- Facilitated the visits of 230,000+ annual visitors by coordinating the team's collection of new Narcissus field data and updating the garden's public map with the latest flora locations.

## PROJECTS

### Carlos Museum Artifact Description Debiaser | *Python, Transformers, PyTorch, Sklearn*

June 2024 – Present

- Finetune Google's BERT model to detect language bias and jargon in artifact descriptions with 83% accuracy.
- Train a custom ChatGPT model to replace detected biases with accessible industry-standard language.

### Gran Turismo 7 Race Predictor | *Python, Swift*

May 2024 – Present

- Achieve 70% target accuracy in predicting final race positions for the Gran Turismo 7 iOS mobile companion app.
- Designed a data pipeline to stream live data from a console to the model every millisecond and update predictions.

## PUBLICATIONS

Zhu, M., Kanjiani, R., Lu, J., Choi, A., Ye, Q., & Zhao, L. (2024). LatentExplainer: Explaining latent representations in deep generative models with multi-modal foundation models. Manuscript submitted for presentation at the Conference on Empirical Methods in Natural Language Processing, Miami, FL.

## LEADERSHIP

### Advising Fellow Leadership Team Member

*Matriculate*

Apr. 2023 – June 2024

Atlanta, GA

- Achieved 20% higher advisor applications than last year through email and personal outreach.
- Supported 3 high school students apply for college and financial aid through essay reviews and weekly meetings.

## HONORS AND CERTIFICATIONS

National Name Exchange Member, Presidential Scholar (1 Semester), Dean's List (1 Semester), International Baccalaureate Diploma Recipient, Honors Diploma Recipient.