

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.