Raasikh Kanjiani

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EDUCATION

Emory University — Atlanta, GA
Bachelor of Science in Computer Science, Minor in Mathematics — *Aug. 2023 – May 2026*

University of Georgia — Athens, GA
Bachelor of Science in Computer Science, New Media Certificate — *Aug. 2022 – May 2023*

Coursework: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, 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) — June 2024 – Present
Emory University — *Atlanta, GA*
- Develop a scientific-contribution-aware literature review generation model by incorporating a RAG and GNN with 690,000+ papers and 10,000+ literature reviews.
- Research appropriate summarization evaluation frameworks and metrics to quantify model performance.

iOS App Development Intern — Jan. 2024 – May 2024
USA Boccia — *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 — Aug. 2022 – May 2023
State Botanical Garden of Georgia — *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 public garden map.

PROJECTS

Museum Artifact Description Bias | *Python* — June 2024 – Present
- Develop a pipeline with Perspective API, HurtLex lexicon, and AFINN sentiment analysis to prune offensive, outdated, and incorrect inferences from the Carlos Museum's artifact description database.

Gran Turismo 7 Predictor | *Python, Swift* — May 2024 – Present
- Achieve 70% target accuracy in predicting final race positions for the Gran Turismo 7 mobile companion app.
- Train a Naive Bayes classifier and stream game data from the granturismo library to a Swift front-end.

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 — Apr. 2023 – June 2024
Matriculate — *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

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