**Raasikh Kanjiani**

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| **Current Address**  7110 Paces Park Dr  Decatur, Georgia 30033 | **Permanent Address**  7110 Paces Park Dr  Decatur, Georgia 30033 |

**OBJECTIVE:** Truly passionate, aspiring software developer with a desire to work in any technical area to gain experience, but primarily interested in Artificial Intelligence and its interdisciplinary connections. Will achieve more results than required through persistent hard work, strong analytical skills, and quick learning capabilities. Willing to lead, learn, and share knowledge.

**EDUCATION:**

**Emory University - Atlanta, Georgia Expected Graduation: May 2026**

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

**GPA: 3.8/4.0**

**RELEVANT COURSES:**

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| * Algorithms and Data Structures * Artificial Intelligence | * Machine Learning * Computer Architecture | * Systems Programming * Discrete Mathematics |

**TECHNICAL/NON-TECHNICAL SKILLS:**

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| * Java, Python, Swift, C, R, SQL, Latex * Objective-C, Assembly, JavaScript, Lua * Microsoft Word, Excel, PowerPoint | * Visual Studio Code, Eclipse * Unix, MacOS, Windows 10 * Davinci Resolve, Adobe Photoshop | * App UI Design, Research * Computer Building * Bilingual in English and Urdu |

**PROJECTS/Research:**

**Museum Artifact Tagging Bias Team Member June 2024 - Present**

* Develop a Python pipeline with Perspective API, HurtLex lexicon, and AFINN sentiment analysis to prune offensive, outdated, and incorrect inferences from the Carlos Museum’s artifact description database.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 Personal Project****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.

**EXPERIENCE:**

**National Science Foundation REU, Atlanta, GA Research Intern June 2024 - Present**

* 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 evaluation metrics and baselines like Llama 2, Aspect Coverage, and PaLM 2, to measure model performance.

**USA Boccia, Remote iOS App Development Intern** **January 2024 – May 2024**

* 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.

**State Botanical Garden of Georgia, Athens, GA ArcGIS Mapping Team Leader** **August 2022 – May 2023**

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

**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/Organizations:**

**Matriculate, Remote Advising Fellow Leadership Team Member** **April 2023 – June 2024**

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

**ACTIVITIES/AWARDS:**

* National Name Exchange Member June 2024 – Present
* Presidential Scholar and Dean’s List Recipient August 2022 – May 2023
* International Baccalaureate Diploma Recipient May 2022 – Present