**Raasikh Kanjiani**

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

**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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| --- | --- | --- |
| * Data Structures and Algorithms * 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 * Unix, JavaScript, Objective-C | * Visual Studio Code, Eclipse * Unix, MacOS, Windows 10 | * Bilingual in English and Urdu * Microsoft Word, Excel, PowerPoint |

**EXPERIENCE**

**Technical Research Intern** June 2024 - Present

*NSF REU at Emory University* Atlanta, GA

* Developing an automated literature survey generator, utilizing graph data of 690,000+ papers and 10,000+ surveys.
* Implementing a RAG-based querying system to extract relevant data from papers to aid the model in survey generation.
* Adapting recently published models and researching evaluation metrics to compare and quantify the model's performance.

**Publication:** Zhu, M., **Kanjiani, R.**, et al. (2024). LatentExplainer: Explaining latent representations in deep generative models with multi-modal foundation models. [Submitted to EMNLP 2024]

**App Development Intern** January 2024 – May 2024

*USA Boccia* Remote

* Built an internationally compliant game-keeping iOS app to ease match tracking in 500+ annual Boccia games using Swift.
* Constructed a back end using the Core Data framework to efficiently save and restore user and match history data locally.
* Designed a scoreboard UI to be cast onto external displays, helping audiences of 7500+ viewers track match progress.

**ArcGIS Mapping Intern** August 2022 – May 2023

*State Botanical Garden of Georgia*Athens, GA

* Automated the plotting of 11,047 taxa into the garden’s ArcGIS map by devising new data collection and organization methods.
* Decreased data logging time by 90% by engineering an automated data pipeline using Python and the OpenPyXL library.
* Supervised a team of three students in collecting new field data for 300+ flowers, facilitating the visits of 230,000+ visitors.

**PROJECTS**

**[Museum Artifact Description Debiaser](https://github.com/Student9676/carlos-artifact-tagging-bias)** June 2024 – Present

*Project Lead*

* Fine-tuning Google's BERT model to detect language bias and jargon terms in museum artifact descriptions with 83% accuracy.
* Creating a custom ChatGPT chatbot to help the staff replace detected biases with inclusive language before publication.
* Developing a full-stack web application using React and Django to showcase demos of the model pipeline and research findings.

[**Gran Turismo 7 Predictor**](https://github.com/Student9676/gt7predictor) May 2024 - Present

*Personal Project*

* Training a Naive Bayes classifier to predict final race positions with 70% accuracy in Gran Turismo 7 offline races.
* Designing a data pipeline to stream live game data from the console to the iOS app every millisecond for making predictions.

**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 Science Foundation Grant Funding Recipient June 2024 - Present
* National Name Exchange Member June 2024 – Present
* Presidential Scholar and Dean’s List Recipient Fall 2022, Spring 2023
* International Baccalaureate Diploma Recipient May 2022