

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

Programming Languages: Python (Proficient), Java (Proficient), Swift (Intermediate), C (Intermediate), R (Intermediate), Unix/Linux (Proficient), Emacs, Objective-C, Assembly, JavaScript, SQL, Lua, Latex.

EXPERIENCE

Technical Research Intern

NSF REU at Emory University

June 2024 – Present

Atlanta, GA

- Developing a literature survey generator, utilizing graph data of 690,000+ papers and 10,000+ reviews.
- Implementing a RAG-based querying system to extract relevant data from papers for survey generation.
- Adapting recently published models and researching 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

USA Boccia

Jan. 2024 – May 2024

Remote

- Built an internationally compliant game-keeping iOS app to streamline 500+ annual Boccia games using Swift.
- Constructed a back end using the Core Data framework to efficiently save and restore match history data locally.
- Designed a scoreboard UI to be cast onto external displays, simplifying match tracking for 7500+ viewers.

ArcGIS Mapping Intern

The State Botanical Garden of Georgia

Aug. 2022 – May 2023

Athens, GA

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

PROJECTS

Museum Artifact Description Debiaser | Python, Transformers, PyTorch, React, Django

June 2024 – Present

Project Lead

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

Gran Turismo 7 Race Predictor | Python, Swift, Sklearn

May 2024 – Present

Personal Project

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

LEADERSHIP

Advising Fellow Team Leader

Matriculate

Apr. 2023 – June 2024

Remote

- Achieved 20% higher advisor applications than the previous year through personalized email and SMS outreach.
- Led weekly workshops and meetings to support 3 high school students apply for college and financial aid.

HONORS AND CERTIFICATIONS

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