

# 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

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), React.js (Intermediate), HTML/CSS (Intermediate), Swift (Intermediate), C (Intermediate), R (Intermediate), Unix/Linux (Proficient), JavaScript, Latex, SQL.

## EXPERIENCE

### Technical Research Intern

June 2024 – December 2024

NSF REU at Emory University

Atlanta, GA

- Implemented a RAG-based querying system to extract relevant data from research papers for summarization.
- Experimented with different graph retrieval methods, utilizing data of 690,000+ papers and 10,000+ reviews.
- Adapted recently published models and researched metrics to compare and quantify model performance.

**Publication:** Hu, Y., **Kanjiani, R.**, et al. (2024). HiReview: Hierarchical Taxonomy-Driven Automatic Literature Review Generation. [Submitted to ICLR 2025]

### App Development Intern

Jan. 2024 – May 2024

USA Boccia

Remote

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

### ArcGIS Mapping Intern

Aug. 2022 – May 2023

The State Botanical Garden of Georgia

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

### AI Language Bias Remover | Python, Transformers, PyTorch, React.js

June 2024 – Aug. 2024

Full-Stack Developer

- Fine-tuned Google's BERT model to detect language bias and jargon in artifact descriptions with 83% accuracy.
- Created a custom ChatGPT chatbot to replace biases with inclusive language in 30% of public records.
- Developed a full-stack web application using React, JavaScript, HTML, and CSS to showcase the model.

### Gran Turismo 7 Race Predictor | Python, Swift, Sklearn

May 2024 – June 2024

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

### Student Advising Leader

Apr. 2023 – June 2024

Matriculate

Remote

- Achieved 20% higher advisor applications than the previous year through personalized email and SMS outreach.
- Organized workshops and meetings to personally help 3 students write college essays and apply for 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.