

# Raasikh Kanjiani

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## EDUCATION

### Emory University

Atlanta, GA

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

Aug. 2023 – May 2026

**Relevant Coursework:** Software Engineering, Database Systems, Graph Machine Learning, Natural Language Processing, Artificial Intelligence, Machine Learning, Data Structures and Algorithms, Linear Algebra.

## EXPERIENCE

### Technical Research Intern

June 2024 – December 2024

*NSF REU at Emory University*

Atlanta, GA

- Implemented a retrieval system to extract relevant data from a dataset of 700,000+ papers for summarization.
- Adapted recently published models by analyzing 10,000+ lines of code and implementing performance metrics.

**Publication:** Hu, Y., **Kanjiani, R.**, et al. Hierarchical Taxonomy-Driven Automatic Literature Review Generation.

### 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 save and restore data of 20,000+ matches.
- Simplified match tracking for 7500+ viewers by designing a scoreboard 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 95% 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 Semester Schedule Builder | React, FastAPI, Python, PostgreSQL, MongoDB

January 2025 – Present

*Product Owner and Full-Stack Developer*

- Develop a full-stack web application to help 200+ students build personalized schedules from 4000+ courses.
- Optimize AI scheduling algorithm, reducing runtime by 90% by only computing similarity for top-k results.

### Language Bias Remover | Python, PyTorch, React, Django, LangChain

June 2024 – Aug. 2024

*Full-Stack Developer and Researcher*

- Fine-tuned Google's BERT model to detect 83% of all language biases and jargon in public artifact descriptions.
- Created a custom GPT-3.5 chatbot to replace biases with inclusive language in 90% of public descriptions.
- Developed a full-stack web application using TypeScript to showcase the model to 200+ museum employees.

## SKILLS

**Programming Languages:** Python, Java, SQL, TypeScript, HTML, CSS, Swift, C, R.

**Frameworks/Libraries:** React.js, Vite, Tailwind, FastAPI, Django, PyTorch, Scikit-learn, PyTest.

**Tools/Platforms:** Git, Google Cloud Platform, PostgreSQL, MongoDB, SQLAlchemy.

## 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 guide 3 students in writing college essays and applying for financial aid.

## HONORS AND CERTIFICATIONS

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