

# Raasikh Kanjiani

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## EDUCATION

### Emory University

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

GPA: 3.7/4.0 – Atlanta, GA

Aug. 2023 – May 2026

## EXPERIENCE

### Software Engineer Intern

June 2024 – Present

*Blue Cross Blue Shield*

*Newark, NJ*

- Building FHIR-compliant APIs to decrease prior authorization response time by 83% for 3M+ members.
- Implementing Python scripts to automate data extraction of 1,000+ project records, saving ~\$30K annually.
- Designing an AI Agent framework to make 100K+ datasets and pipelines explainable and accessible to employees.

### Machine Learning Research Intern

June 2024 – December 2024

*NSF REU at Emory University*

*Atlanta, GA*

- Engineered a Digital Twin framework to simulate human behavior in real time, leveraging 30+ live datapoints.
- Built an information retrieval module for a RAG pipeline, querying 700K+ academic papers for relevant context.
- Developed a script to benchmark recently published GenAI models by analyzing 10,000+ lines of code.

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

### iOS App Development Intern

Jan. 2024 – May 2024

*USA Boccia*

*Remote*

- Built a Boccia game-keeping iOS app to streamline 500+ annual Boccia community games using Swift.
- Simplified match tracking for 7500+ viewers by designing a live scoreboard screencast 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.

## PROJECTS

### AI College Schedule Builder | *React, FastAPI, Python, MongoDB*

January 2025 – May 2025

*Product Owner and Full-Stack Developer*

- Developed a web app to help 200+ students build time-specific, personalized schedules and college roadmaps.
- Implemented a PostgreSQL and vector database to efficiently store and retrieve data of 16,000+ courses.
- Optimized AI scheduling algorithm, reducing runtime by 90% by efficiently caching course description vectors.

### Language Bias Remover | *Python, React, Django, PostgreSQL, PyTorch, 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 React to showcase the model to 200+ museum employees.

## SKILLS

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

**Frameworks/Libraries:** React, Vite, Tailwind, FastAPI, Django, PyTorch, Scikit-learn, Playwright, , REST APIs.

**Tools/Platforms:** Google Cloud Platform, Amazon Web Services, MongoDB, PostgreSQL, Git, Docker, Kubernetes.

## 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.