

Raasikh Kanjiani

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CURRENT ADDRESS

7110 Paces Park Dr
Decatur, Georgia 30033

PERMANENT ADDRESS

7110 Paces Park Dr
Decatur, Georgia 30033

OBJECTIVE: Secure an internship where I will be able to use my passion and real-world problem-solving skills to contribute to business-critical projects and find a suitable work culture where I can develop more industry-standard skills and practices.

EDUCATION:

Emory University - Atlanta, Georgia

Bachelor of Science in Computer Science / Minor in Mathematics

GPA: 3.8/4.0

Expected Graduation: May 2026

RELEVANT COURSES:

- | | | |
|----------------------------------|-------------------------|------------------------|
| • Data Structures and Algorithms | • Machine Learning | • Systems Programming |
| • Artificial Intelligence | • Computer Architecture | • Discrete Mathematics |

TECHNICAL/NON-TECHNICAL SKILLS:

- | | | |
|---|-------------------------------|-------------------------------------|
| • Java, Python, Swift, C, R, SQL, Latex | • Visual Studio Code, Eclipse | • Bilingual in English and Urdu |
| • Unix, JavaScript, Objective-C | • Unix, MacOS, Windows 10 | • Microsoft Word, Excel, PowerPoint |

PROJECTS/RESEARCH

Museum Artifact Description Debiaser

Project Lead

June 2024 – Present

- 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

Personal Project

May 2024 - Present

- 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.

EXPERIENCE:

NSF REU at Emory University, Atlanta, GA

Technical Research Intern

June 2024 - Present

- 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.

USA Boccia, Remote

App Development Intern

January 2024 – May 2024

- 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.

State Botanical Garden of Georgia, Athens, GA

ArcGIS Mapping Intern

August 2022 – May 2023

- 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.

VOLUNTEER EXPERIENCE:

Center for AI Learning, Atlanta, GA

Technical Advisor

August 2024 – Present

- Guided students in devising project plans, researching technical publications, and developing data approaches.
- Helped students install and setup software relevant to their projects and troubleshooted technical issues.

LEADERSHIP/ORGANIZATIONS:

Matriculate, Remote

Student Advising Fellow Team Leader

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 |