Raasikh Kanjiani

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EDUCATION

Emory University   Atlanta, GA
Bachelor of Science in Computer Science, Minor in Mathematics   *Aug. 2023 – May 2026*

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

Programming Languages: Python (Advanced), Java (Advanced), Swift (Intermediate), C (Intermediate), R (Intermediate), Objective-C, Assembly, JavaScript, SQL, Lua, Latex.

EXPERIENCE

Technical Research Intern   June 2024 – Present
National Science Foundation   *Atlanta, GA*
- Develop a literature review generator utilizing a graph with data of 690,000+ papers and 10,000+ reviews.
- Implement recently published models and research metrics to compare and quantify the model's performance.

iOS App Development Intern   Jan. 2024 – May 2024
USA Boccia   *Remote*
- Streamlined game-keeping in 500+ annual Boccia matches by developing a new, modern, and internationally regulation-compliant match-keeping app using Swift, Objective-C, SwiftUI, and the Core Data framework.

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

Museum Artifact Description Debiaser | *Python, Transformers, PyTorch, Sklearn*   June 2024 – Present
- Fine-tune Google's BERT model to detect language bias and jargon in artifact descriptions with 83% accuracy.
- Collaborate with a team of six to create a custom ChatGPT chatbot to replace biases with inclusive language.

Gran Turismo 7 Race Predictor | *Python, Swift*   May 2024 – Present
- Train a Naive Bayes model to achieve 70% accuracy in final race position predictions in the Gran Turismo 7 game.
- Designed a data pipeline to stream live game data from the console to the app every millisecond for predictions.

PUBLICATIONS

LatentExplainer: Explaining latent representations in deep generative models with multi-modal foundation models. Manuscript submitted for presentation at the Conference on Empirical Methods in Natural Language Processing.

LEADERSHIP

Advising Fellow Team Leader   Apr. 2023 – June 2024
Matriculate   *Atlanta, GA*
- Achieved 20% higher advisor applications than last year through personalized email and SMS outreach.
- Led weekly workshops and meetings to support 3 high school students apply for college and financial aid.

Crew Member   May 2023 – Aug. 2023
McDonald's - Morningstar Enterprise LLC   *Atlanta, GA*
- Provided prompt and friendly customers service to 20,000+ new and regular customers, preparing orders.
- Named the fastest drive-through of the district and increased hourly sales by 30% by upselling products.

HONORS AND CERTIFICATIONS

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