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+ musuem 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.

HONORS AND CERTIFICATIONS

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