Raasikh Kanjiani

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EDUCATION

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

EXPERIENCE

Technology Strategy Intern   June 2024 – Present
Horizon Blue Cross Blue Shield of New Jersey   *Newark, NJ*
- Building FHIR-compliant APIs to decrease prior authorization processing time by 83% for 3.2 million members.
- Writing Python scripts to automate recurring data extraction of 1,000+ project records, saving 10+ hours weekly.
- Developing an end-to-end AI pipeline to auto-generate metadata summaries, decreasing onboarding time by 70%.

Machine Learning Research Intern   June 2024 – December 2024
NSF REU at Emory University   *Atlanta, GA*
- Engineered a Human Digital Twin LLM 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 framework to evaluate recently published GenAI models by analyzing 10,000+ lines of code.

<u>**Publication:**</u> 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, PostgreSQL, MongoDB*   January 2025 – Present
Product Owner and Full-Stack Developer
- Developed a web app to help 200+ students build time-specific, personalized schedules and college roadmaps.
- Designed a PostgreSQL database schema to store web-scraped data of 16,000+ course offerings using PostgreSQL.
- Optimized AI scheduling algorithm, reducing runtime by 90% by caching course description vectors.

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, TypeScript, Java, SQL, HTML, CSS, Swift, C, R.
Frameworks/Libraries: React, Vite, Tailwind, FastAPI, Django, PyTorch, Scikit-learn, Playwright, PyTest.
Tools/Platforms: Google Cloud Platform, PostgreSQL, MongoDB, Git.

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

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.