Raasikh Kanjiani

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EDUCATION

Emory University — GPA: 3.7/4.0 – Atlanta, GA
Bachelor of Science in Computer Science, Minor in Mathematics — *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, PostgreSQL, 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, 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 React 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, 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

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.