

Bijan Moazami Nikain

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Education

GEORGIA INSTITUTE OF TECHNOLOGY Atlanta, GA	<i>Jan 2025 – Dec 2025 (expected)</i>
<ul style="list-style-type: none">● Master of Science in Computer Science● Specialization: Artificial Intelligence	GPA: 3.75
GEORGIA INSTITUTE OF TECHNOLOGY Atlanta, GA	<i>Aug 2020 – Dec 2024</i>
<ul style="list-style-type: none">● Bachelor of Science in Computer Science, Highest Honors● Concentration: Intelligence & Information Internetworks	GPA: 3.77, Major GPA: 4.0

Work Experience

CIGNA GROUP Full-Time	Austin, TX
Machine Learning Engineer Intern	<i>May - Aug 2025</i>
<ul style="list-style-type: none">● Built an AI chatbot to deliver insights on healthcare claims at both client and patient levels● Implemented a Retrieval-Augmented Generation (RAG) pipeline with FAISS and Milvus, achieving 100% correctness (LLM-as-Judge) on the internal dataset while reducing token usage by 90%● Engineered an AI agent to dynamically adjust context size based on each question's complexity, improving retrieval efficiency and response accuracy● Deployed a Streamlit application on AWS ECS and Databricks for scalable data storage and preprocessing	
AT&T Full-Time	Alpharetta, GA
Machine Learning Engineer Intern	<i>May - Aug 2024</i>
<ul style="list-style-type: none">● Designed and implemented a LLaVA-based RLHF system to extract key information from software engineering diagrams to be used in AI-driven software development life cycle● Implemented a Flask API to interface with a RAG pipeline processing 1K+ page design documents● Built custom dataset generators using CytoscapeJS and HTML for training and evaluation	
UPS Full-Time	Alpharetta, GA
Software Engineer Intern	<i>June – Aug 2023</i>
<ul style="list-style-type: none">● Developed a full stack asset-tracking web application for hospitals using React.js and Node.js● Built a MySQL-backed database integrated through Express.js for efficient data management● Integrated multiple APIs, such as Google Maps, to enhance user experience and functionality	
GEORGIA INSTITUTE OF TECHNOLOGY Part-Time	Atlanta, GA
Head Teaching Assistant: Computer Systems & Networks	<i>May – Aug 2023</i>
<ul style="list-style-type: none">● Led a course on memory management, computer architecture, networking, and multithreading● Trained and managed a team of new teaching assistants● Held office hours (3 hrs.) and led a recitation (50+ students) weekly to reinforce content● Led project, exam, and homework creation, assigning and reviewing grading tasks for TA team	
Graduate Teaching Assistant: Database Systems	<i>Jan 2025 - Present</i>
<ul style="list-style-type: none">● Supported students in a course on database design and implementation using MySQL● Collaborated with instructors to develop a new course project, including ER diagram, database schema, and stored procedures, later deployed to 500+ students● Held weekly office hours (3 hrs) to clarify database concepts and assist with course assignments	

Skills

Programming: Python, Java, JavaScript, C, SQL, HTML/CSS

Frameworks: PyTorch, Flask, React.js, Node.js, LangChain

Tools & Platforms: Git, Docker, Databricks, Milvus, FAISS, MySQL, Agile

Concepts: Deep Learning, RLHF, PEFT, RAG, Computer Networking, Database Systems, OOP