

Kashyap Tanuku

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EDUCATION

Rutgers University-NB

Bachelor of Science in Computer Science & Mathematics

New Brunswick, NJ

Sep 2022 – Dec 2025

Relevant Coursework

Artificial Intelligence, Data Science, Data Structures & Algorithms, Computer Architecture, Combinatorics.

EXPERIENCE

blaZop | R&D Software Engineer Intern

June 2024 – Present

Angular, ChromaDB, Docker, Flask, Python, Node.js

- Created a full-stack assistant chatbot that streamlines user-service interaction for 10+ large enterprise clients using Angular.
- Engineered custom AI agents to generate a training dataset of 2900+ instances based on blaZop's help guide docs.
- Fine-tuned a Llama 3 model using the generated dataset and implemented a custom RAG workflow for context-aware responses to serve as assistant chatbot backend using AI Agents and ChromaDB.
- Designed and implemented a vector database search engine enabling querying of 1000+ blaZop architecture templates with <1 second search times, streamlining product/service selection for clients using ChromaDB and OpenCLIP image embedding.

First Move Partners | Software Engineer Intern

May 2023 – August 2023

React, Express.js, Node.js, MongoDB

- Created a full-stack prototype of a login page and an admin dashboard for client presentation using the MERN stack and by following Agile methodology.
- Engaged in biweekly client meetings, to update prototype to align with client specifications and gaining experience with client interaction.

PROJECTS

Web Music Player | AWS, React, Express.js, Python, RapidAPI

- Led a team of 3 to develop a full-stack online web application enabling users to search, play, download, and upload music.
- Implemented a cosine similarity algorithm to optimize search results from a database of 1 million+ songs.

Mobile Fitness Aid App | Azure, Flutter, Dart, REST API, Figma

- Developed a full-stack mobile fitness aid app that empowers users to create, categorize, publish, and share workout splits.
- Designed a like-based ranking system and filtering algorithm to enhance user experience and content discovery.

FiziQ - HackRU Hackathon | React, Javascript, Python, MongoDB, Express.js, Node.js

- Spearheaded a team of 4 to develop a full-stack fitness focused social media app.
- Engineered a python flask API to connect the front-end to the back-end to optimize data retrieval times.

TECHNICAL SKILLS

Languages: Python (spaCy, NumPy), Java, JavaScript (GSAP), TypeScript, C/C++, HTML/CSS, Dart, Assembly
Frameworks: React, Angular, Flask, Flutter, Next.js, Node.js, Express.js, Selenium, Tailwind CSS, Bootstrap
Developer Tools: Docker, ChromaDB, MongoDB, AWS, Firebase, Azure, Bitbucket, Git