Kashyap Tanuku

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EDUCATION

Rutgers University-NB   New Brunswick, NJ
Bachelor of Science in Computer Science & Mathematics   *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, Flask, Python, Node.js

- Designed custom AI agents from scratch to create a dataset on blaZop's help guide docs.
- Fine tuned a llama 3 model based on the dataset to act as backend for chatbot that answers client queries and helps clients navigate blaZop's SaaS platform, streamlining user-service interaction for 10+ large enterprises.
- Designed and implemented a vector database search engine that allows clients to search for 1000+ blaZop architecture templates facilitating product/service selection.
- Utilized OpenCLIP image embedding to store images in ChromaDB to optimize storage and minimize search times to <1 second.

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 filter and display the best search results from a collection of over 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.
- Implemented a like-based ranking system to rate workout splits and an algorithm to filter splits based on likes, muscle group specificity, or fitness goals.

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