Ryan Rana

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EDUCATION

Rutgers University   New Brunswick, NJ
Bachelors in Computer Science   *Aug. 2024 – May. 2028*

EXPERIENCE

Open System Solutions   Oct 2024 - Dec 2024
Software Engineer   *New Brunswick, NJ*
- Contributed to Go.Rutgers.Edu: Rutgers Community Web Shortner with Linux and Bash. Improved Mongo Database Systems.

Mega Hack League   Sep 2023 - Jan 2024
Software Engineer   *New York City, NY*
- Developed and implemented Front-end and Back-end features for MEGA systems and hackathon events, enhancing user interaction and system performance by 30%. Utilized React and Vue to create dynamic and responsive interfaces.

Populus   Jun 2023 - Sep 2023
Software Engineer   *Austin, TX*
- Developed the user interface and MongoDB back-end for the Populus Trading App, resulting in a 30% increase in user efficiency. and Integrated the app into the CI/CD pipeline, automating deployments and reducing release time.

Datanexxt   Jun 2022 - Sep 2022
Software Engineer   *New York City, NY*
- Developed IT infrastructure using cutting-edge technologies, leading to a 15% reduction in operational costs and a 25% increase in client system agility and optimized infrastructure setup to enhance efficiency across multiple departments.

PROJECTS

GPT 3.5 4 Devs : Enhances the GPT capabilities by integrating it web scraping, information retrivial, file interaction, and streamlit user interface APIs.

Helios: A haptic device taking sensory input and using NLP and CV, directs users towards their desired object. Able to assist the user in detecting objects mixed in with other objects within a close distance.

PLANA: A multi-modeled AI-powered tool that provides comprehensive analysis and actionable insights on buisness plans.

Contextualized Multi-Modal RAG Feedback Loop: Uses GPT to create context aware algorithm personalized to each users search queries through an advanced feedback loop.

Congress Connect : Consumer app allows people to learn about congressman's views on various subjects, based on their tweets using sentiment analysis and ML.

QuickEstimate : App to scan and classify various household items with CV and ML, and estimate pricings for insurance estimators.

TECHNICAL SKILLS

Languages: Python, JavaScript, React, HTML, PHP, SQL, Java, Bash, Swift, Latex

Developer Tools: AWS, Node.js, Conda, Framer, Figma, JQuery, XAMPP, OpenCV, MondoDB, MYSQL, Firebase, VIM, Raspberry Pi, Arduino, GIT, CocoaPods, Scikit, Numpy, Pandas, Kaggle, Google Cloud, Bootstap, Docker, Jira, NPM, Linux, Matplotlib