Ryan Rana
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Education

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

Experience

Populus Jun 2022 - Sep 2022
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 2023 - Sep 2023
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.

Self-employed Aug 2021 - PRESENT
Fullstack Freelance Developer

- Developed and edited over 20 personal and company websites, UI/UX's, portfolio optimization methods, and business/professional articles. Also provided private programming lessons to 15 students (ages 9-35), improving their coding skills and career prospects.

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.

Technical Skills

Languages: Python, JS, React, HTML, PHP, SQL, Java, C, C++, 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

Projects

GPT 3.5 4 Devs : An open-source project that enhances the capabilities of GPT by integrating it with various Python libraries and APIs for web scraping, information retrivial, file interaction, and streamlit user interface.
Helios: A closed circuit, haptic device situated on the user's wrist in which the user can speak into, and through AI (specifically, natural language processing and computer vision) the device should direct the user towards their desired object. The wearable haptic should be able to assist the user in detecting objects mixed in with other objects within a close distance.
PLANA: Transform your business plan into a data-driven strategy with PLANA, the multi-modeled AI-powered tool that provides comprehensive analysis and actionable insights.
Contextualized Multi-Modal RAG Feedback Loop: GPT3 & GPT4 are used to create context aware algorithm personalized to each users search queries through an advanced feedback loop.
Congress Connect : An app that allows people to learn about congressman's views on various subjects, based on their tweets using sentiment analysis and machine learning.