Amrit Madhav Srivastava

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EDUCATION

Michigan State University   GPA: 3.8/4.0
Bachelor of Science in Computer Science, Minor in Data Science   *Aug 2022 - May 2026*

WORK EXPERIENCE

Student Library Assistant - Digital Multimedia Center MSU Library   Jan 2023 - Present
– Managed front desk operations, handling room and library checkouts while employing the LoC and ROVI classification systems to organize media.
– Developed internal software utilizing Selenium, Python, and web automation to automate routine tasks, enhancing efficiency in cataloging and updating library resources saving the library dozens of hours of manual effort a week.

Data Science Intern - iSON Xperiences Ltd.   Jul 2023 - Aug 2023
– Conducted exploratory data analysis on a call center optimization project, analyzing a dataset comprising approximately 1.85 million data points.
– Utilized gradient boosted linear regression techniques to extract insights and identify paying customers for prioritized call center rotation.
– Automated the retrieval of fresh datasets on a weekly basis from Genesys Cloud, streamlining the process for enhanced efficiency in initiating analysis.

PROJECTS

Journalingo - University of Chicago Hackathon 2024 (Winner - Best use of Auth0)   Link to Demo

A web application designed to capture various forms of communication, including written text, body language, and verbal tones. Utilized natural language processing and artificial intelligence techniques to analyze and interpret mood expressions. Successfully implemented and deployed mood analysis features, enabling Journalingo to breakdown user mood effectively.

No Sweat - Spartahack 2023 (Winner - Best use of Twilio)   Link to Demo

Developed No Sweat, an Arduino project designed to assist university students in monitoring harmful conditions in their dormitories. Implemented humidity and temperature sensors to track room conditions and integrated Twilio for user interaction, resulting in a significant reduction of manual effort and enhancement of safety measures.

Discord GPT - Personal Project   Link to Demo

Developed Discord GPT which is a wrapper for the OpenAI ChatGPT API invoked from Discord, an online chat platform. Through the use of appropriate data structures and software architecture I was able to create a method to use the premium 4.0 model of ChatGPT on a pay as you go basis compared to the subscription model saving hundreds of dollars.

SKILLS

Python, Web Automation, Web testing, Data Analysis/Modelling, MongoDB, Auth0, Flask, Amazon Certified Alexa Developer