Aditi Sunil

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EDUCATION

University of Wisconsin - Madison | B.S. Computer Science & Data Science | Graduation: December 2025

EXPERIENCE

Information Technology Internship | 05/2024 - PRESENT
Johnson Controls, Milwaukee, WI
- Developed an automation solution for the ServiceNow ticketing system using Power Automate, streamlining onboarding processes and reducing manual workload by automating task assignments and notifications
- Researched and presented use cases for Microsoft Copilot to enhance productivity and collaboration, while educating colleagues on best practices for utilizing digital transformation tools to improve workflow efficiency
- Utilized Microsoft Power Apps to architect and develop a customized application designed for distributing surveys among users
- Created a Power BI dashboard to analyze and visualize data from user survey responses regarding their Copilot usage

The Development and Integration of Medical Chatbots | 09/2023 - 04/2024
Molecular Imaging/Magnetic Resonance Technology Lab, Madison, WI
- Conducted research on integrating AI technology into healthcare by developing an equitable medical chatbot focused on kidney cancer.
- Employed Python and leveraged OpenAI's GPT-3.5 Turbo, GPT-4, and other LLMs to develop the chatbot functionality
- Utilized and explored the effectiveness of Retrieval-Augmented Generation (RAG) techniques to enhance the chatbot's ability to read and interpret kidney cancer research papers, improving the quality of its responses
- Developed an interactive GUI using Gradio, JavaScript, and CSS

PROJECTS

Movie Timer | Java
- Designed and implemented an advanced movie timer application that offers personalized recommendations based on optimal movie lengths for users' available time slots, enhancing user experience through tailored suggestions
- Leveraged a Red-Black Tree data structure to efficiently manage and sort movie data by duration, enabling rapid insertion and retrieval of information

Memory Card Game |HTML, CSS, & JavaScript
- Implemented features include card shuffling, matching logic, score tracking, and level progression
- Designed a responsive grid layout to ensure optimal user experience on various devices

Data Analysis Report |R: dplyr, tidyr, & ggplot2
- Analyzed the relationships between a pokemon's health and average attack, average defense, and legendary status in a pokemon dataset
- Created numerical and graphical summaries which included regression and t-test confidence intervals

TECHNICAL SKILLS

Languages: Python, Java, C, C++, HTML, CSS, Javascript, SQL, R
Tools & Technologies: Git, Docker, Power Automate, Azure Devops, Power Apps, Power BI, Microsoft Copilot, VS Code
Libraries & Frameworks: Flask, Gradio, NumPy, React, dplyr, tidyr, ggplot

ACADEMIC & EXTRACURRICULAR INVOLVEMENT

Academic Achievements: Dean's List: Spring 2022-2023 & Fall 2023-2024
Special Programs: Grand Challenges Scholars Program focusing on Artificial Intelligence (UW-Madison)
Clubs: American Red Cross