Sriram Malarvizhi Kumaran

838-386-1640 | mksriram@umich.edu | www.mksriram.com | github.com/mk-sriram

EDUCATION

University of Michigan, Ann Arbor   **December 2025**
Bachelors of Science in Engineering, Computer Science, 3.4/4.0   *Ann Arbor, Michigan*
- Relevant Coursework: Data structures and Algorithms, Discrete Math, Multi-variable Calculus, Linear Algebra, Data Science for Engineers.

PROJECTS

Quizzy.io | *Python, Discord API, Google Sheets API, Google Cloud*   **December 2023**
- Engineered a Python-based Discord bot, Quizzy.io, to facilitate interactive quiz preparation. Utilized the Google Sheets API for centralized storage of test data, ensuring efficient retrieval and data security within the Google Sheets back-end.
- Implemented a customizable question timer, a scoring system, a multiple-choice question format, and a user-friendly interface ensuring an intuitive user experience.

Mindscape | *HTML, Bootstrap, JavaScript, Flask, Google Cloud, GPT4-Turbo*   **November 2023**
- Devised an AI counselor, Mindscape, using real-time emotion analysis and fine-tuned OpenAI's GPT4-Turbo.
- Utilized Bootstrap and JavaScript for the front-end and Flask for the backend, Integrated Google Cloud Vision API for sentiment analysis and Google Cloud Speech to Text API for speech input, enabling dynamic prompts based on the direction and tonality of the user's emotions.

Bank Wire Transfer Simulator | *C++, Git/GitHub*   **November 2023**
- Developed a real-time gross settlement system for 281Bank, handling 10,000+ daily transactions with seamless user registrations, secure login/logout mechanisms, and accurate transaction placements.
- Optimized transaction processing with priority queues and data structures, incorporating loyalty discounts and increasing revenue by 25% for longstanding customers, while ensuring robust fraud prevention systems.

YoutubeNotion | *HTML, CSS, JavaScript, Youtube API, Notion API*   **July 2023**
- Designed a Google Extension for seamless YouTube link bookmarking in Notion databases, integrating Notion API's OAuth access token and database ID for efficient data insertion.
- Utilized YouTube API for quick video URL retrieval and designed an intuitive Google Extension popup using Bootstrap Framework, enhancing user experience.

EXPERIENCE

Intern   **Sept. 2021 - Oct. 2021**
Entelyst Enterprises   *Doha, Qatar*
- Specialized in cybersecurity threats, antivirus systems, network segmentation, intrusion prevention, and phishing countermeasures for the firm.
- Demonstrated proficiency in product distribution, customer service, and customer satisfaction strategies during the internship tenure.

PROFESSIONAL DEVELOPMENT

Meta Back-End Developer   **June 2023 – Present**
- Built a fully functional website using Django for backend development, integrated MySQL database for data management, implemented various API endpoints, and utilized frontend technologies like HTML, CSS, and JavaScript.

EXTRACURRICULARS

Michigan DataScience Team | *Member*   **August 2023 – Present**
- Developed a Python-based WORDLE solver bot using Flask, employing algorithms and data structures to guess the 5-letter word within 6 attempts efficiently.

Michigan Hackers | *Member*   **Jan. 2022 – April 2023**
- Contributed to the Development of the iOS application GGBLost using SwiftUI in Xcode, in collaboration with a team of 5 members from the largest tech-oriented student organization on campus with 200+ members.

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, HTML, MATLAB, LaTeX
Tools: MySQL, Git/GitHub, Unix Shell, VS Code, Google Cloud
Frameworks: React, Node.js, Bootstrap, CSS
Libraries: Pandas, NumPy, Matplotlib