

# Sriram Malarvizhi Kumaran

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## 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, utilizing Google Sheets API for centralized storage test data, ensuring efficient retrieval and data security within Google Sheets backend.
- Implemented a customizable question timer, scoring system, and a user-friendly interface ensuring an intuitive user experience.

### Mindscape | *HTML, CSS, JavaScript, Flask, Google Cloud, GPT4-Turbo*

November 2023

- Constructed an AI counselor, Mindscape, using real-time emotion analysis and Fine-tuned OpenAI's GPT4-Turbo.
- Utilized Bootstrap and JavaScript for the front-end, 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 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, 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,  $\text{\LaTeX}$

**Tools:** MySQL, Git/GitHub, Unix Shell, VS Code, Google Cloud

**Frameworks:** React, Node.js, Bootstrap, CSS

**Libraries:** Pandas, NumPy, Matplotlib