Sriram Malarvizhi Kumaran

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EDUCATION

University of Michigan, Ann Arbor — **April 2025**
Bachelors of Science in Engineering, Computer Science, 3.48/4.00 — *Ann Arbor, Michigan*
- Relevant Coursework: Computer Organization, Data Structures and Algorithms, Discrete Math, Multi-Variable Calculus, Linear Algebra, Data Science for Engineers.

EXPERIENCE

Project Manager — **January 2024 - Present**
Michigan Build and Launch — *Ann Arbor, Michigan*
- Directed and supervised a team of **6** students the development lifecycle of a dashboard-based assignment management tool built using **React.js**, **Tailwind CSS**, **Supabase**, **JavaScript**, and the Canvas API.
- Guided a dedicated team of **5** students in the production of a VScodeExtension, which featured inline ChatGPT support using VScode's Extension API, **JavaScript**, and OpenAI's GPTturbo.
- Facilitated weekly meetings and fostered seamless communication with 10 club executives, ensuring project objectives were aligned with organizational goals and priorities.

Software Developer — **January 2024 - Present**
V1 Michigan — *Ann Arbor, Michigan*
- Collaborated with a team of 3 to develop Parley, a student task management app using **React Native**, **Supabase** for OAuth, and an **Express.js** backend, focusing on gamification to boost user engagement and productivity.
- Implemented OAuth authentication with **Supabase** for secure user logins, enabling personalized task management and collaboration features within the app.

Cybersecurity Intern — **Sept. 2021 - Oct. 2021**
Entelyst Enterprises — *Doha, Qatar*
- Shadowed cybersecurity experts, gaining insights into network threats, antivirus systems, network segmentation, intrusion prevention, and phishing countermeasures. Leveraged acquired knowledge to assist the firm in enhancing its cybersecurity infrastructure and strategies.
- Played a pivotal role in product distribution and customer service during the internship tenure, contributing to improved customer satisfaction and retention rates.

PROJECTS

SnipeBot | *Python, Discord API, MySQL, AWS Services* — **February 2024**
- Engineered a Python-based Discord bot using Discord's Bot API to track photo snipes within Discord servers, enhancing community engagement.
- Deployed the bot using EC2 and integrated a SQL database using SQLite for the storage and retrieval of user data, optimizing performance and reducing operational costs by 10% compared to the previous hosting solution on fly.io.

Mindscape | *HTML, CSS, JavaScript, Flask, Google Cloud, GPT4-Turbo* — **November 2023**
- Constructed an AI counselor, Mindscape, leveraging real-time emotion analysis with a fine-tuned OpenAI's GPT4-Turbo. Utilized Bootstrap, CSS, and HTML for the front end, and Flask for the back end.
- 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.

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 YouTube API for quick video URL retrieval.

TECHNICAL SKILLS

React, Node.js, Tailwind CSS, Bootstrap, C/C++, Python, JavaScript, HTML, MATLAB, LaTeX, MySQL, Git/GitHub, Unix Shell, VS Code, Google Cloud, AWS Cloud, Supabase, MongoDB, Pandas, NumPy, Matplotlib