Saaketh Sodanapalli

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SKILLS

Programming Languages: Python, JavaScript, C, Assembly, SQL, Java, MATLAB, Microsoft Excel, Swift

Developer Tools: React, HTML, CSS, React Native, Git, Flask, Node.js

EDUCATION

University of Massachusetts Amherst, Amherst, MA   May 2026

Bachelor of Science in Computer Engineering and Math   GPA: 3.4/4.0

Relevant Coursework: Math Tools for Machine Learning, Hardware Organization, Security Engineering, Advanced Programming, Data Structures and Algorithms, Discrete Mathematics

PROJECTS

Spotify Current Song Player

- Made a Chrome extension that displays the current song playing from your Spotify account on the top left of your tab
- Coded using HTML and Javascript, utilizing various Chrome APIs to get permission and to display the box in the tab, as well as Spotify's API to authorize access to the user's data to display the current song playing.

Ultrasonic Distance Tracker

- Built a device capable of tracking the distance of an object from a sensor and displaying it on an LED screen.
- Coded using C, using an ultrasonic sensor and LED display connected to an Arduino to monitor and display the distance.

Recipe Generating Website

- Developed a food recipe search web application to find recipes from the Food Network based on inputted ingredients.
- Used React for the front end and Python with Flask for the back end, using GitHub for version control, integrating GitHub API calls to search and display recipes from the Food Network database that has the ingredients inputted by the user.

Portfolio Website

- https://saaketh0.github.io/Portfolio/
- Developed a responsive portfolio website to showcase my projects and socials.
- Used React and Next.js, managed with Git for version control and deployment.

Snake, Tetris, and Tic-Tac-Toe

- Created the games Snake, Tetris, and Tic-Tac-Toe.
- Coded using Python, using Tkinter for the interface.

INTERESTS

Mobile Apps, Interactive Applications, Embedded Systems, Swimming, and Triathlons