Saygin Saracoglu

Full Stack Developer

Toronto, ON

Phone (416) 879-1867   **Portfolio** https://saygin-saracoglu.vercel.app

E-mail saygn_gs1@hotmail.com   **GitHub** https://github.com/Sayginsaracoglu

Technical Skills

- ➤ **Front-End**: HTML, CSS, JavaScript, Typescript, Bootstrap, React, React Native
- ➤ **Back-End**: Node.js, C#, Python, C, C++, Ruby
- ➤ **Database Design**: MongoDB, SQL, MySQL
- ➤ **Server and Deployment**: AWS, Google Cloud

Projects

The MET Art Finder

A web application that allows users to explore and discover artworks from The Metropolitan Museum of Art's vast collection. The app is integrated with The Met's API, which displays information such as the artist's name, artwork title, date, medium, and description.

- Integrated with The Met's API to display information such as artist name, artwork title, date, medium, and description.
- Designed the user interface with a responsive layout, intuitive navigation, and visual previews of artwork.

Features:

- Sign up and login: Users can sign up and create an account to save their search history, favorite artworks.
- Advanced search: The app provides an advanced search feature that allows users to filter artworks by title, medium, culture, and location.
- Search history: The app stores the user's search history, making it easy for users to revisit previous searches and explore related artworks.
- Favorites: Users can save their favorite artworks to their account, creating a personalized collection of artworks they love.

The user interface is designed with a responsive layout, intuitive navigation, and visual previews of artwork, making it easy for users to browse and discover new artworks from The Met's collection.

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ChatGeniusPro Mobile Application

- Built a mobile application using **React Native**, **TypeScript**, and **Node.js** that uses the ChatGPT language model to generate real-time responses to user input.
- Implemented a user-friendly interface with intuitive navigation and real-time response display.
- Utilized **Node.js** to connect the application to the ChatGPT language model API and handle user input and output.
- Sign up and login: Users can sign up and create an account to save their chat history
- Tested and debugged the application to ensure optimal functionality and user experience.

AskGPT Windows Application

- Created a Windows application by using **Python** that allows users to use the ChatGPT language model anywhere in their operating system by typing "askgpt:" and entering their prompt.
- Utilized the OpenAI API to interface with the ChatGPT language model and handle user input and output.
- Tested and debugged the application to ensure optimal functionality and user experience.
- Created exe file to share the program with my friends.

Order Management Desktop Application

- Created a desktop application using **C++** that manages customer orders, filling orders based on inventory at different stations, and managing orders using a line manager
- Utilized object-oriented programming principles to create an efficient and maintainable codebase.
- Tested and debugged the application to ensure optimal functionality and user experience.

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International Space Station (ISS) Distance Calculator

Created this project after noticing a pretty bright, fast-moving object in the sky while out for an evening walking. After researching, it was the ISS and I decided to create an application to calculate its distance from my location and get notified when its passing over.

- Help users calculate the distance between their location and current location of ISS.
- Developed formulas to calculate dis distance between point A and B as latitudes are not equally separated.
- Application will display message if ISS is visible from user's location.
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Features:

    -Collecting user and ISS location with one click
    -Calculating distance between user's and ISS's location
    -Real-time ISS location (updates every 10 seconds)
    -Visualization for both user and ISS location on custom designed google maps

Aircraft Finder

Allows user to get a certain aircraft information by ICAO24 identification number (Location, speed, altitude, heading etc.) as well as current weather conditions at aircraft location. Users can see aircraft on google maps with aircraft icon pointing current heading.

Features:

    -Getting real-live position of a specific aircraft
    -Getting real-live weather information at ground level for location of aircraft
    -Live visualized aircraft location on google maps
    -Responsive aircraft icon will change its size based on aircraft's altitude (Icon will get bigger as aircraft ascends) and its direction based on current heading.

Weather App

Weather application which will allow users to get weather condition for any location they desire to check out. Learned fundamental concepts and have better understanding of API requests.

Features:

    -Weather condition at current location with one click
    -Weather condition for any given location
    -Responsive wind direction and speed indicator which will change wind arrow size based on the wind speed as well as its direction based on the wind direction.

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Professional Experience

Politek and Alfa Spray Foam Insulation Websites (2021 – Current)

- Created a websites for Politek and Alfa Spray Foam Insulation companies using wordpress
- Designed the user interface with a responsive layout, intuitive navigation, and visual displays of services.
- Developed features such as service information, blogs and contact information to improve user experience.
- Implemented SEO techniques to increase the visibility and accessibility of the website.

Google Ad Campaign

- Managed and optimized Google Ad campaigns for a spray foam insulation services company, using keyword research and targeted ad copy to improve click-through rates and calls.
- Conducted extensive keyword research to identify high-performing keywords and negative keywords, and adjusted bids accordingly to maximize return on investment.
- Developed and tested various ad copy and landing page designs to improve click-through rates and conversion rates.
- Analyzed campaign performance using Google Analytics and other data analysis tools to identify areas for improvement and adjust bidding strategies.

Education

Computer Programming and Analysis Diploma

Seneca College – Toronto, ON   January 2022 – Present