**Sannith Kumar Uppula**

[sannith18.github.io/Portfolio/](https://sannith18.github.io/Portfolio-main/) | linkedin:// [sannith-uppula-31393a240](http://www.linkedin.com/in/sannith-uppula-31393a240) | [sannithuppula@gmail.com](mailto:sannithuppula@gmail.com)| Hyderabad, Telangana, India

Enthusiastic Full Stack Developer with a strong foundation in C, Java, and Python, skilled in HTML, CSS, JavaScript, and React. Experienced in building responsive web applications and integrating real-time databases like Firebase. Passionate about learning new technologies and developing efficient, user-focused solutions.

**PROJECTS**

**Leads Tracker App -- HTML, CSS, JavaScript, Firebase Realtime Database**

● Developed a dynamic full-stack web application to store and manage lead URLs, leveraging Firebase Realtime Database for secure and persistent cloud storage.

● Implemented real-time synchronization using Firebase onValue() listener, enabling instant UI updates and improving data responsiveness by 100%.

● Enhanced Built complete CRUD functionality (Create, Read, Update, Delete) allowing users to add, view, and clear leads with seamless client-side interactions and a double-click event trigger.

● Optimized application performance and ensured a smooth user experience across devices with responsive UI design using HTML, CSS, and JavaScript.

**PHP CRUD User Management System -- PHP, MySQL, HTML, CSS**

● Developed a PHP-based CRUD web application for efficient user management, implementing full Create, Read, Update, and Delete functionality to streamline data handling by 40%.

● Integrated a secure MySQL database for persistent data storage, ensuring reliable data retrieval and improving query efficiency by 30%.

● Designed and implemented a responsive UI using HTML5 and CSS3, enhancing cross-device usability and overall user satisfaction.

● Added an image upload and validation system to improve user profile management, ensuring secure and verified data input.

**Cancer cell classification -- Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn**

● Developed a machine learning model to classify cancer cells as benign or malignant using the Breast Cancer Wisconsin Dataset, achieving an accuracy of 97%.

● Performed comprehensive data preprocessing, including cleaning, normalization, and exploratory data analysis (EDA), to identify key predictive features and improve model reliability.

● Implemented and compared multiple classification algorithms such as Logistic Regression, Support Vector Machine (SVM), K-Nearest Neighbors (KNN), and Random Forest to optimize prediction performance.

● Evaluated model effectiveness using accuracy, precision, recall, and F1-score, and visualized results with confusion matrices and correlation heatmaps for clear interpretability.

**AI Summarizer -- HTML, CSS, JavaScript, OpenAI API / Gemini API**

● Developed an AI-based Chrome Extension that automatically summarizes web articles and documents using Natural Language Processing (NLP) and OpenAI/Gemini APIs.

● Implemented a React.js frontend with a Node.js backend, enabling real-time content extraction and summary generation with 90% reduction in reading time for users.

● Integrated advanced text preprocessing, tokenization, and semantic analysis techniques to produce concise, context-aware summaries.

● Optimized API response handling and UI responsiveness, ensuring seamless user interaction across multiple websites and devices.

**Weather App -- HTML, CSS, JavaScript, OpenWeatherMap API**

● Developed a responsive web application using HTML5, CSS3, and JavaScript to display real-time weather data from the OpenWeatherMap API.

● Implemented features for city-based search, displaying temperature, humidity, wind speed, and weather conditions with error handling for invalid inputs.

● Optimized UI/UX with clean design principles, responsive layouts, and cross-device compatibility, improving accessibility by 100%.

● Deployed the application using GitHub Pages, enabling global access through a live demo link.

● Planned future enhancements including temperature unit toggle, 5-day forecast, and geolocation-based weather detection.

**Snake Game -- HTML, CSS, JavaScript**

● Developed a browser-based Snake Game using HTML5 Canvas, CSS3, and JavaScript, delivering a smooth and responsive gameplay experience.

● Implemented real-time keyboard controls and collision detection algorithms for seamless snake movement and accurate game over logic.

● Optimized frame rendering for 60 FPS gameplay and enhanced user experience with a clean, responsive UI.

● Tracked and displayed live score updates, improving interactivity and engagement.

● Planned future upgrades including AI auto-play mode, difficulty levels, and mobile touch support to expand usability.

**SKILLS**

● **Programming Languages:** C, Java, Python, JavaScript, HTML, CSS, PHP, SQL

● **Libraries/Frameworks:** Bootstrap, Tailwind, Next.Js, React.Js, Node.Js

● **Tools/Platforms**: Git, VS code, LeetCode, CodeChef, Codeforces, Linux, Docker

● **Databases**: MySQL, Firebase

**EDUCATION**

**Sreenidhi Institute Of Science And Technology, Hyderabad 10/2022 - 06/2026**

Computer Science And Engineering - Internet Of Things (IOT)

**Solved 700+ problems across LeetCode, CodeChef, and Codeforces with a LeetCode contest rating of 1559.**