SANTHOSH BABU L.R

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CONTACT

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Madurai, India

SKILLS

- HTML
- CSS
- Javascript
- Bootstrap
- Python
- Java

PERSONAL SKILLS

- Adaptability
- Team Work
- Communication

TOOLS

- Google Workspace
- MS Word
- Canva
- Github
- Vs Code

INTERESTS

- To learn and adopt any kind of new technologies.

COURSE WORK

- Introduction to Programming Object
- Oriented Programming Data
- Structures HTML , CSS, Java,
- JavaScript, Python.

EDUCATION

B.Sc Computer Science

The American College - Madurai

2021 - 2024

LANGUAGES KNOWN

- English
- Tamil

PROFILE

As a recent graduate with a B.Sc in Computer Science from American College, I am eager to begin my career as a software developer. I possess proficiency in HTML, CSS, JavaScript, Python, and Java, complemented by practical experience gained from my project on Stock Market Price Prediction using historical data. Certified in Front End Development (HTML) and Python through Great Learning, I am enthusiastic about applying my skills and knowledge to contribute effectively to a dynamic software development team.

INTERNSHIPS

- Web Development - MyDailyWork

PROJECT

Job Search Portal   Aug 2024 - Sep 2024

Frontend Development:

- Developed responsive layouts using Bootstrap and media queries.
- Integrated filters, pagination, and category-based search methods.
- Added interactive features like carousels, sliders, and hover effects.
- Implemented a preloader for enhanced site loading experience.

Backend Integration:
- Connected frontend with a backend database for job listings and company profiles.
- Enabled dynamic content loading for job posts and search filters.
- Managed form submissions for job applications and newsletter subscriptions.

User Authentication and Security:
- Built a login/signup system with server-side validation.
- Implemented secure encryption for managing private user data.

Company Profiles and Featured Jobs:
- Created a system for managing company profiles and featured job listings.
- Highlighted featured jobs/companies on the homepage via dynamic sliders.

UI/UX Enhancements:
- Designed intuitive navigation for a seamless job search experience.
- Improved performance through lazy loading, minified assets, and optimized images.

SEO Optimization:
- Enhanced SEO by adding meta tags, alt attributes, and optimized page titles.
- Implemented relevant keywords to improve search engine rankings.

Testing and Quality Assurance:
- Conducted cross-browser testing and fixed bugs.
- Evaluated and ensured the security of user authentication and data handling.

CERTIFICATIONS

- Front End Development - HTML - Infosys Springboard- 2024.
- Front End Developement - CSS - Infosys Springboard - 2024.
- Front End Development - Javascript - Infosys Springboard- 2024.
- Introduction to Programing using Python - Great learning - 2024

PROJECTS

Stock Price Prediction   Click For Demo   Dec 2023 - Mar 2024

- Developed an advanced stock price prediction model using data analytics and AI, enhancing predictive accuracy for financial markets. Integrated historical price data and
- market indicators from diverse sources to inform model predictions. Executed comprehensive data collection and
- feature engineering processes to prepare datasets for model training. Conducted model selection and hyperparameter tuning to optimize performance, ensuring
- robust and reliable predictions. Evaluated model performance using various metrics to validate predictive accuracy and inform potential improvements.
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Technologies Used:
- Programming Languages: Python
- Data Analytics Tools: StatsModels
- Data Visualization: Matplotlib, Seaborn, Plotly

Digitol Clock   Click For Demo   Sep 2024 - Sep 2024

HTML Structure:
- Localized applying the adaptive layout and grouped in a `div` to show the clock,Hours, minutes and seconds countdown is shown in `span` elements. COB – Although it is not a blog,
- contains good meta data for mobile use.

JavaScript Logic:
- Uses the JavaScript function setInterval to update the clock once a second. Refers to the time with the help of the `Date`
- object. Amends single-column values for the number of hours,
- minutes, and seconds to include leading zeros with a ternary operator.

DOM Manipulation:
- Uses `document.getElementById( id )` to select elements by `id`.
- Enables the display of the current time.

Interval Timing:
- Advances the clock within 1 second intervals, or when the elapsed 1000 milliseconds.

Responsiveness:
- This one relies on the meta viewport tag for cross compatibility issue.

Age Calculater App   Click For Demo   Sep 2024 - Sep 2024

Date Input Field:
- Implemented `<input type = "date">' to provide the user with an option to choose their birthdate easily.

Button with Event Listener:
- Incorporated a button that makes `calculateAge()` function work when clicked on.

Dynamic Maximum Date:
- To disable other dates, set the `max` attribute of the input field to today's date.

Date Extraction:
- Extracted day, month, and year from both the date of birth which was selected for patients and the current date.

Age Calculation Logic:
- Worked out the difference in years months and days. Used overflow cases for months and days to bring into the correct calculation to improve the existing one.

Days in Month Calculation:
- Supplemented the new helper function `getDaysInMonth()` in order to consider day differences between the months and leap years.

Result Display:
- To update the result I used JS, and also I displayed the age in years, months and days in a `<p>` tag.

CSS Styling:
- Combined with an external 'style.css' file which deals with layout and responsiveness.

User Input Validation:
- Validated input fields to be sure that you will not be able to select a date beyond today.

Weather App   Click For Demo   Sep 2024 - Sep 2024

HTML Structure:
- Designed a responsive layout for the search bar, error message, and weather display section.
- Set up placeholders for displaying weather details like temperature, city name, humidity, wind speed, and icons.

CSS Integration:
- Linked an external CSS file for styling.

JavaScript for Weather API Interaction:
- Integrated OpenWeatherMap API to fetch live weather data.
- Added an a sync check Weather function for API interaction and UI updates.
- Implemented 404 error handling for incorrect city names with dynamic error messages.

Dynamic Weather Display:
- Updated temperature, city name, humidity, wind speed, and displayed weather icons based on API data.

Event Listener:
- Added an onclick event for the search button to trigger weather data retrieval.

Mobile Responsiveness:
- Ensured mobile responsiveness using the viewport meta tag.