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Debjyoti Das

Objective:

Passionate and innovative Software Engineer with a strong foundation in computer science and extensive experience in designing and developing software solutions. Results-oriented and highly skilled Front-End Developer with over 2 years of experience in designing and developing user interface components for JavaScript based applications using the latest Angular framework. Seeking a challenging position where I can leverage my technical skills in HTML, CSS, JavaScript, ReactJs and problem-solving skills to contribute to the success of a dynamic team and make a positive impact on cutting-edge projects.

Academic Profile:

Degree/Course	Year Of Passing	Institution	Percentage of Marks/CGPA
B. TECH IN COMPUTER SCIENCE & ENGINEERING	04/2018	Gargi Memorial Institute of Technology	7.15
M. TECH IN COMPUTER SCIENCE & ENGINEERING	10/2022	Amrita Vishwa Vidyapeetham	8.35

Academic Project Work:

➔ E-commerce shopping cart with good user interface where user can choose any item, put the item in cart, increase the number of similar items with the total price during checkout. Technologies used are HTML, CSS, Bootstrap, JavaScript, jQuery with an intuitive and user-friendly interface.

➔ Developed an interactive web-based dice game utilizing HTML, CSS, JavaScript for two players, offering a dynamic and engaging gaming experience. Implemented user-friendly interface allowing seamless interaction for players. Utilized JavaScript for game logic, including dice rolling functionality and turn-based gameplay. Designed responsive layout using CSS, ensuring compatibility across various devices and screen sizes. Incorporated animations and visual effects to enhance user experience and immersion. Implemented multiplayer functionality, enabling seamless gameplay between two users in real-time.

➔ Developed an interactive web-based game where users can guess a number between 1 to 20. The game provides instant feedback to users indicating whether their guess is correct or not, enhancing user engagement and interaction.

➔ Developed a real-time COVID tracker web application with good user interface using React. Integrated external APIs to fetch and display live data on COVID-19 cases, recoveries, and deaths worldwide. Used Front-end Technologies like HTML, CSS, JavaScript, ReactJS. Designed a responsive and user-friendly interface for seamless navigation on various devices.

➔ Developed a responsive to-do list application using React, JavaScript, HTML, and CSS. The app allows users to efficiently manage tasks with an intuitive and user-friendly interface. Technologies: React, JavaScript, HTML, CSS. Implemented interactive user interfaces with React to enhance user experience.
Utilized CSS for styling and ensuring a responsive design for seamless usability across various devices.
Integrated task management functionality using JavaScript for dynamic and real-time updates.

➔ Developed a dynamic text manipulation application using React, allowing users to perform various text related operations efficiently. Implemented a user-friendly interface for text input and output. Integrated functionalities such as text case conversion, character count, and word count. Utilized React components to create a responsive and interactive user experience. Technologies used in making the project are React, JavaScript, HTML, CSS.

➔ Designed and implemented a dynamic Location Mapping Application, leveraging HTML, CSS, and JavaScript, that empowers users to interactively manage geographical data. Utilized the Google Maps API to dynamically display user-entered locations on an interactive map. Implemented markers for easy visualization, enhancing the user's spatial understanding. The location data is stored efficiently and displayed in a structured format using a Data Table. Enabled users to perform CRUD operations (Create, Read, Update, Delete) on location entries, ensuring a robust data management system. Ensured cross browser compatibility and responsiveness for a consistent experience across devices.

➔ Efficient Client-Side Deduplication of Encrypted Data with Public Auditing in Cloud Storage (developed a new method with the help of Elliptic Curve Cryptography encryption algorithm on the cloud environment to build an established structure which reduces the traffic in cloud storage by 30%. The redundancy of the information stored in the cloud with the help of the encryption method ECC which maintains the authenticity of the data).

➔ E-commerce database classification using a classification method - (after preprocessing the data and filling the missing values we divide the dataset into training set and testing set. We use classification algorithms to classify whether the customer is royal or not. We also find the model accuracy, its F1 score and precision).

➔ Speech Recognition System using CNN for recognizing and detecting voices after filtering out external noises with accuracy of 92.4%.

➔ Stock Market Analysis and Prediction using ANN and Linear Regression. A dataset of a 10-year stock is taken which is then trained and analysed by ANN the high, low and openings of the particular stock in the last 10 years. TensorFlow is used to develop model for training. Matplotlib is used to plot the data in a graphical format which enhances the user experience.

Technical Skills:

➔ Frontend Technologies: HTML, CSS, Bootstrap, JavaScript, jQuery, React
➔ Backend Technologies: PHP, Python, C
➔ Development Tools: Microsoft Visual Studio, Jupiter, PyCharm, Anaconda, Sublime,
➔ DB Language: SQL
➔ REST APIs
➔ IT Constructs: OOPS, DBMS, DS
➔ Data Visualization Software: Tableau
➔ API Testing Tool: Postman
➔ Version Control: Git, GitHub

Work Experience:

Sieva Networks Pvt Ltd *Nov 2021 – Present* **Software Engineer**

- Working as a full stack engineer writing efficient RESTful APIs.

- Built a fuel finder app to find nearby fuel stations with technologies like HTML, CSS, Bootstrap, JavaScript, jQuery, PHP to build the platform, the user info (time of login, contact info, location of user) is stored in the Database. The app is responsive. The data of fuel stations and its price is scrapped from a renowned website and scrapped by CURL call.

- Developing and directing software system validation and testing methods.

- Working closely with clients and cross-functional departments to communicate project status and proposals.

- Analysing data to effectively coordinate the installation of new systems or the modification of existing systems.

- Communicating key project data to team members and building cohesion among teams.

- Developing and executing project plans such as displaying current location of customers and their travel log reports which improved the quality of the app as well as website by 10%.

- Applying best practices and standard operating procedures for developing and testing new software features and fixing newly raised bugs which helped in increasing the code efficiency and reducing the old existing bugs by 25%.

- Creating innovative solutions to meet our company's technical needs within stipulated time.
- Developed and maintained software solutions utilizing frontend technologies like HTML, CSS, and JavaScript.
- Implemented version control using Git and collaborated with team members on GitHub for effective project management.
- Integrated REST APIs to enhance the functionality and usability of the applications.

Sieva Networks Pvt Ltd *Oct 2021 – Nov 2021* **Software Engineer Intern**
- Developing a few websites, high converting landing pages and newsletters mainly with HTML, CSS, Bootstrap and JavaScript incorporated with sign up page.

- Built responsive login page, sign up page which was used in company's login page for the app and web and also storing the user info in the database.

- Used PHP sessions for Admin page, home page and logout page and set a timer for inactive users to take users back to Login Page after warning alert of logout.

Achievements:

- Contributed to the growth of Sieva Networks Pvt Ltd by successfully implementing responsive UIs in company's various projects (web, app), leading to a 16% increase in user engagement.

- Received recognition for consistently delivering high-quality code and resolving complex issues within tight deadlines.

Area of Interest:

- ➔ Programming
- ➔ Machine learning
- ➔ Deep learning
- ➔ Artificial Intelligence

Training:

➔ Successfully completed training on android technology

➔ Successfully completed training in asp.net

➔ Successfully completed training in HTML, CSS & Bootstrap

Workshops/ Seminars Attended:

➔ Successfully completed training on android technology

➔ Workshop for 2 days on Cloud computing

➔ Workshop for 2 days on Web page development