G.DIVYA SAI SREE

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EDUCATION

Vellore Institute of Technology **2021-2025**
Bachelor of Technology in Computer Science Engineering (Specialization AI&ML); CGPA : 7.76 Amaravati, India

Sri Chaitanya Junior College **2019 - 2021**
HSC | XII : 9.42 Hyderabad., India

Sri Chaitanya School **2019**
SSC | X GPA : 9.8 Hyderabad, India

SKILLS SUMMARY

- **Languages:** Python, Java, SQL, HTML, JavaScript, ReactJs
- **Frameworks:** Pandas, Numpy, TensorFlow, Mattplotib, Angular
- **Tools:** Power BI, PowerPoint, My SQL, Google Colab
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, Atom
- **Soft Skills:** Excellent Communication, Time Management, Ability to Multitask, People Management

WORK EXPERIENCE

SOFTWARE DEVELOPER INTERN | PRODIGY **01/10/23 - 31/10/23**

- Developed a Temperature Conversion tool that converts between Celsius, Fahrenheit, and Kelvin, enhancing the user interface for better accessibility and performance.
- Created an interactive Number Guessing Game that implements random number generation and user feedback mechanisms to improve user engagement.
- Built a comprehensive Contact Management System with CRUD (Create, Read, Update, Delete) functionalities, including data validation and search features to optimize user experience and data handling.

MACHINE LEARNING INTERN | BHARAT **10/09/23 - 10/10/23**

- Developed a House Price Prediction model using linear regression, data preprocessing, feature selection, and hyperparameter tuning to predict real estate prices.
- Created a Wine Quality Prediction model using classification techniques, including data cleaning, exploratory data analysis, and model evaluation to accurately classify wine quality.
- Implemented and optimized machine learning algorithms, improving model accuracy and efficiency.
- Worked with datasets to perform data wrangling, feature engineering, and model training.
- Used Python and libraries like Scikit-learn, Pandas, and Matplotlib for data analysis and visualization.

WEB DEVELOPMENT AND DESINGNING | OASIS INFOBYTE **1/11/23 - 1/12/23**

- Built a Calculator: Developed a fully functional calculator using HTML, CSS, and JavaScript. Implemented user-friendly interface and basic arithmetic operations.
- Created a To-Do App: Designed and coded a dynamic to-do list application with task addition, deletion, and status tracking features. Utilized JavaScript for interactivity and local storage for data persistence.
- Developed a Tribute Page: Designed a responsive and visually appealing tribute page using HTML and CSS. Focused on layout design, typography, and color schemes to enhance user experience.
- Login Authentication: Implemented a secure login authentication system using HTML, CSS, and JavaScript. Ensured proper validation and error handling for enhanced security.

WEB DEVELOPER INTERN | SYNC INTERNS **2/12/23 - 31/12/23**

- Developed a Product Landing Page using HTML, CSS, and JavaScript, ensuring responsive design and cross-browser compatibility.
- Created a Quiz App with dynamic question generation, user progress tracking, and a scoring system using JavaScript and local storage.
- Built a Music App featuring an interactive UI for playing, pausing, and navigating through songs using HTML, CSS, and JavaScript.
- Designed and developed an E-Learning Website with course content display, user registration, and interactive quizzes using HTML, CSS, JavaScript, and backend integration.
- Followed a structured development process: gathered requirements, designed wireframes, developed front-end interfaces, implemented functionality, and tested for usability and bugs.

PROJECTS

VOLUME RANGE CHANGING USING HAND GESTURE

- Developed an AI-based system to control volume levels through hand gestures.
- Utilized computer vision techniques to detect and track hand movements in real-time using a webcam.
- Employed Python libraries such as OpenCV and TensorFlow for image processing and machine learning.

SIGN LANGUAGE USING MACHINE LEARNING

- Developed a machine learning model to identify and classify sign language gestures from video or image inputs.
- Used computer vision techniques such as image segmentation and contour detection to isolate hand gestures.
- Trained the model using supervised learning algorithms (e.g., CNN, SVM) on a labeled dataset of sign language gestures.
- Achieved a high recognition rate, enabling real-time translation of sign language into text or speech.

PADDY PLANTS DISEASE IDENTIFICATION

- Developed a deep learning model to identify and classify diseases in paddy plants from images.
- Collected and preprocessed a dataset of paddy plant images, ensuring diverse representation of different disease types.
- Used convolutional neural networks (CNNs) to design and train the model, optimizing for accuracy in disease identification.
- Achieved high accuracy in identifying multiple paddy plant diseases, contributing to more efficient and early detection in agricultural practices.

BATTERY MONITORING SYSTEM

- Developed a Battery Monitoring System (BMS) to monitor and manage the health and performance of lithium-ion batteries.
- Designed the architecture for real-time monitoring of battery parameters such as voltage, current, temperature, and state of charge (SOC).
- Worked in a multidisciplinary team to integrate the BMS with other system components and ensure seamless operation.

CERTIFICATIONS

GOOGLE DIGITAL LEADER | LINK
OCTOBER , 2023

JP MORGAN STIMULATION | LINK
OCTOBER, 2023

CSI SPM WEB DEVELOPMENT | LINK
JUNE, 2023