Sai Manasvi Guntupalli

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PROFILE

An enthusiastic computer and information science student who is deeply curious in the technological world. I have established a strong foundation in algorithms, data structures, and programming through real-time projects, which improved my problem-solving abilities. I have experience working with various programming languages and frameworks.

EXPERIENCE

APSSDC (DEVELOPER) - 09-2021

- Andhra Pradesh State Skill Development Corporation (APSSDC) is a state government organisation in India setup to improve the skills of the young minds of the state.
- Incorporated a railway reservation system using Django , Python , and SqLite to manage the database . Developed and validated test routines to ensure test cases mimic external interfaces across all browsers and device types
- Maximised application efficiency , data quality , scope , operability and flexibility

PUBLICATIONS

Published a research paper named Driver Drowsiness Detection Using Artificial Intelligence. Purpose of this study is to build a non-intrusive real time eye blink monitoring device prioritising safety improvement of the passengers.Secured the code in OpenCV using Haarcascade library for the detection of facial features.

PROJECTS

Analysing student performance in Programming Education Using Classification Techniques

- Analysed the performance of students by applying data analysis, data mining, pre-processing, and used different machine learning models.
- Collected data on web development course results from peer students and built a database.
- Performed data cleaning, pre-processing, data selection and applied KNN, Logistic Regression, Naive Bayes, Ada Boost Classifier, and Decision Tree Algorithms.

Sentiment Analysis

- It refers to the process of interpreting and analysing words to determine whether the tone is positive or negative.
  Data analysis, Data Pre-Processing, Class Imbalance, Dimensionality Reduction.
- Machine learning models and K-fold Cross-validation is implemented to find the performance of the models.

Diabetes Prediction Using Machine Learning Algorithms

- Conducted analysis of the acquired dataset and predict whether a person has diabetes or not. Data Pre-Processing and ML algorithms like SVM and Decision Tree algorithms are implemented, and accuracy is calculated to find the best algorithm.

EDUCATION

University of Texas , Arlington , USA .
Computer science and Information Sciences - 2023 - Present

SRM University , India .
Computer Science with AIML - 2019 - 2023

Sri Sarada Jr College , India .
Maths , Physics , Chemistry - 2017 - 2019

SKILLS

- Microsoft Suites
- Agile and Scrum Methodologies
- Python
- Java
- Mysql
- HTML
- Attention to detail
- Strong communication

LINKED IN

https://www.linkedin.com/in/manasvi%2Dguntupalli%2D700154202/