Syed farheena

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Linkedin GitHub

Education

Bharath Institute of Higher Education and Research,Chennai **Dec 2020 – Apr 2024**
Bachelor of Technology in Computer Science and Engineering (CGPA: 9.00) *Chennai,Tamil Nadu*

Narayana Junior College **2018 – 2020**
Board of Intermediate Education,Andhra Pradesh (CGPA:9.28) *Nellore,Andhra Pradesh*

Sri Chaitanya High School **2013 – 2018**
Board of Secondary Education,Andhra Pradesh (CGPA:9.8) *Nellore,Andhra Pradesh*

Projects

Comparative Analysis of Heart Rate Level Prediction Using Machine Learning Algorithms Aug 2023 - Oct 2023

- The heart rate level prediction project involved a detailed comparative study of four prominent machine learning algorithms: SVM, Random Forest, KNN, and Logistic Regression. Initially, a well-curated dataset comprising features like age, gender, physical activity, and medical history was preprocessed to ensure quality input for model training.
- The models were then implemented and tuned using Python libraries such as scikit-learn and evaluated using cross-validation techniques. SVM showed robust performance in handling high-dimensional data, while Random Forest excelled in managing data heterogeneity. KNN demonstrated good performance in scenarios with clear clustering, and Logistic Regression provided a straightforward probabilistic interpretation. The results were visualized using ROC curves and confusion matrices to facilitate a comprehensive comparison. This project underscores my expertise in machine learning, data preprocessing, and model evaluation, as well as my ability to translate complex data insights into actionable healthcare solutions.

Creation Of Single Page Website Using Frontend **Mar 2023 - jun 2023**

- he single-page website project was an end-to-end web development endeavor aimed at creating a visually appealing and interactive online presence. Using HTML, the structural foundation of the website was established, ensuring a semantic and accessible layout. CSS was employed to style the website, incorporating modern design techniques such as flexbox and grid layouts to achieve a responsive design that adapts seamlessly to different screen sizes. JavaScript was used to enhance user interaction with features like animated scrolling, dynamic content loading, and form validation.
- The project also involved optimizing the website for performance, including minimizing file sizes and leveraging browser caching to ensure fast load times. This project highlights my proficiency in front-end technologies and my ability to deliver high-quality web solutions.

Password Generator Using Python **Aug 2023 - Novv 2023**

- Password Generator using Python is a script that generates random, strong passwords based on user-defined criteria, such as length and character types (letters, digits, symbols). It utilizes Python's random module to create secure and unpredictable passwords, enhancing cyber security by promoting the use of strong passwords for various applications and accounts.

Technical Skills

- **Programming Languages**: C/C++, Python
- **Tools and Frameworks**: Jupyter Notebook, Visual Studio, Microsoft Office, MySQL
- **Operating Systems**: Windows, Linux and Android
- **Soft Skills**: Leadership,Creativity,Time Management,Team Work

Key Courses Taken

- **CSE and Maths**: Calculus, Programming and Data Structures, Introduction to Algorithms, Linear Algebra, Probability and Random Process

Certifications

Web Development Frontend
Certification *1Stop*