DHARSHAN RAAJ R M

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EDUCATION

Vellore Institute of Technology   **September 2020 – Present**
Integrated MTech. Computer Science and Engineering   *Vellore, TN*
CGPA: 8.74/10

Royal International Senior Secondary School (CBSE)   **March 2019 – July 2020**
12TH Standard - PCM   *Komarapalayam, TN*
PERCENTAGE: 88.8%

TECHNICAL SKILLS

Skills: Java, Python, C, C++, SQL, HTML5/CSS3, JavaScript, TypeScript, Natural Language Processing, jQuery, Machine Learning, API, GitHub/GitBash.

Frameworks: Angular, Django, React JS, Node JS, Express JS.

Tools: GIT, SQLite, Postman, Anaconda, Jupyter Notebook, Spider.

PROJECTS

Online Plagiarism Checker | *Using Web Crawling and Machine Learning*
- The aim of this project is to detect plagiarized content from the web. This application can be used in colleges and schools to detect the plagiarism of assignments/projects of students.
- In this project, users can copy and paste the content and detect plagiarism, so that he/she will get the plagiarism percentage and the URLs of the web from which the content is plagiarized.
- This Project incorporates the technique of data preprocessing such as stop word removal, stemming, lemmatization, etc...and performs web crawling and web scraping then uses the machine learning model to predict plagiarism.

Herbal Medicine Predictor | *Using Machine Learning*
- The goal of this project is to predict the herb name for the symptoms that user provides.
- This is a Full Stack Project which was built using Angular for frontend and Django for backend and includes Machine Learning techniques to predict the herb.
- Machine Learning models used such as Decision Tree, Random Forest, Multinominal Naive Bayes, and AdaBoost with Decision Tree.

Power Zone Gym Application | *Using Angular and Rapid API*
- This project was built with the Angular for frontend and Rapid API to fetch data. Here users can search for the exercise and see the videos related to the exercise in YouTube.
- This project incorporates dynamic content loading, owl carousel, Angular Pagination and Angular Routing with parameters through snapshot.
- Rapid APIs: ExerciseDB and YouTube Search and Result.

PUBLICATIONS
- Machine Learning Models for Herbal Medicine Prediction. [Ongoing].

CERTIFICATIONS
- Python Programming – Udemy
- Java Programming- Udemy
- Full Stack Web Development – Udemy
- Backend Web Development using Django – Udemy