

DHARSHAN RAAJ R M

Vellore, India

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EDUCATION

Vellore Institute of Technology

Integrated MTech. Computer Science and Engineering

July 2020 - Present

Vellore, India

CGPA: 8.9/10

TECHNICAL SKILLS

Languages/Skills : C, C++, Java, Python, HTML/CSS, JavaScript, SQL.

Web Development: React JS, Node JS, Express JS, MERN Stack, Bootstrap, Django.

Technology & Tools:: Artificial Intelligence/Machine Learning, Deep Learning, Git/GitHub, MongoDB, SQLite, Postman, Docker, TensorFlow, Power BI.

EXPERIENCE

Web Developer Intern

June 2023 – July 2023

Techvolt Software Private Ltd, Coimbatore

- Engineered essential website elements during the internship at Techvolt Software, leading to a significant **60%** increase in user engagement metrics and playing a pivotal role in enhancing the company's online presence.
- Utilized HTML, CSS, JavaScript, and React strategically to enhance key components of Techvolt Software's website, resulting in a notable **30%** increase in user engagement metrics.

PROJECTS

Ayurvedic Herbal Medicine Predictor | *Machine Learning*

September 2023

- Led the development of an advanced Ayurvedic Medicine Predictor, utilizing machine learning algorithms including Decision Tree, Random Forest, and Support Vector Machine.
- Achieved a remarkable **90%** prediction accuracy by training models on real-time data, providing personalized Ayurvedic herb recommendations based on user-input symptoms.

Snap Blog - Image Blogging Application | *MERN Stack*

July 2023

- Deployed a MERN project with robust user authentication via node mailer resulting in a **30%** decrease in unauthorized access attempts, enhancing security enabled users to create, edit, and share visual stories with images, titles, and captions.
- Implemented JSON Web Token for login security, admin functionalities were developed to deliver effective oversight, ensuring a controlled and user-friendly visual blogging experience with enhanced security measures.

Online Plagiarism Checker | *Web Crawling and Machine Learning*

April 2023

- Led the creation of a robust plagiarism detection application for educational institutions, employing advanced data preprocessing techniques and machine learning algorithms to achieve an **80%** accuracy rate. This project significantly contributes to maintaining academic integrity by identifying instances of plagiarism in student assignments.
- By integrating web crawling and scraping functionalities, the system empowers educators with an effective means to uphold academic standards by ensuring the originality of student submissions.

Power Zone Gym Application | *React and Rapid API*

February 2023

- Orchestrated a fitness application utilizing Rapid API for exercise data retrieval, boasting a vast library. Integrated YouTube API for instructional video display, resulting in an **80%** enhancement in user experience. Users benefit from streamlined exercise search functionality, facilitating their fitness journey.
- Developed browsing functionalities enabling users to explore exercises by criteria like exercise name and muscle group. Enhanced user experience with GIF exercise demonstrations and integrated YouTube videos for additional guidance.

CERTIFICATIONS

- Full Stack Web Development - Udemy
- Neural Networks and Deep Learning - Coursera
- Python Programming - Udemy
- Java Programming - Udemy