

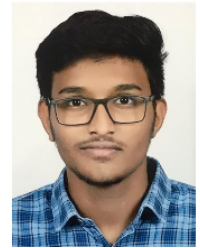
DHAKSHNA MOORTHY D

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🌐 Dhakshna Moorthy Dhandauthapani



PROFILE

To utilize my technical skills and provide a professional service to customers by applying and honing my knowledge and working in a challenging and motivating working environment.

EDUCATION

Pursuing B.tech in Computer science and business systems
Rajalakshmi Institute of technology
8.02 CGPA

SKILLS

Python

Java

Data science

Machine learning

Excel

Tableau

Data structures

Communication skills

PROJECTS

1.Academic Performance forecasting

Developed an academic performance forecasting model using machine learning algorithms, specifically focusing on Linear Regression, to predict students' future academic achievements based on historical data. Responsibilities included collecting and preprocessing diverse datasets such as past grades, attendance records, and socioeconomic background. The Linear Regression algorithm was applied to establish relationships between historical data and future academic performance, and model performance was evaluated using metrics like Mean Squared Error (MSE) and R-squared (R^2). The project enabled early identification of at-risk students, facilitating timely interventions and customized support, and assisted in designing effective curricula and optimizing resource allocation. Additionally, personalized course recommendation systems were developed to better align with students' needs and capabilities. Addressed challenges such as ensuring data quality, managing external factors, and individual learning variations impacting performance predictions, as well as addressing ethical concerns related to data privacy and algorithmic bias to ensure fair and equitable outcomes. The project significantly enhanced learning outcomes and supported student success through predictive insights, contributing to more informed educational planning and resource distribution. Skills utilized included data collection and preprocessing, Linear Regression, predictive analytics, model evaluation, and ethical data management, with technologies such as Python, Scikit-learn, Pandas, NumPy, and data visualization tools.

2. Insect Bite prediction model

Developed a deep learning model to identify insect bites and provide valuable information to help users avoid further consequences. The model leverages advanced deep learning techniques to classify insect bites with high accuracy, making it a reliable resource for identifying insect bites. The project's scope included understanding different types of insect bites and their causes, gathering comprehensive information on each insect, determining the potential toxicity of the bites, and providing guidance on appropriate treatment measures. This project involved significant research and implementation of deep learning algorithms, resulting in a tool that not only identifies insect bites but also educates users on potential dangers and recommended treatments.

CERTIFICATIONS

Certification on Java programming language in sololearn.

WORKSHOPS

1. Participated in the webinar on "The Journey from Cloud-to-Edge" for training to inference continuum of latest AI models on 6th July 2023 by Intel Unnati Ignite
2. Participated in the workshop on profile development and SEO concept of LinkedIn conducted by Faceprep in the year of 2022.
3. Participated in the workshop conducted by Rajalakshmi Institute of Technology on the topic of cloud computing and cyber security on the first week of August 2023.
4. Participated in National Intellectual Property Festival 2023 which was hosted by CSIR CLRI, Chennai on July 2023. I learnt about product production, process of getting patent, copyright issues and Trade issues.

EXTRA CURRICULUMS

1. Participated in Accenture innovation challenge in the year of 2023.
2. Participated in Teachathon 4.0 by idea presentation on the topic of enhancing retailing experience.
3. I took charge of organizing and hosting several impactful events for the Fusion Club at RIT, including an Environment Day celebration, the Verbal Voyage inter-college fest, and a webinar focused on interview skills. These events aimed to raise awareness about environmental issues, enhance communication abilities through inter-college competitions, and provide practical insights for career development.
4. Conducted and organised the event "Radio Mirchi Kaloori Stars" in podcast club of RIT.

LANGUAGE

Tamil

English

PERSONAL DETAILS

Father's name : Dhandauthapani
Mother's name : Haripriya
DOB : 02/12/2004
Gender : Male
SSLC percentage : 76%
HSC percentage : 75%

