Dhanush Vasa

Australian Citizen
Third Year (B.Tech)
Information Technology (IT)
at Indian Institute of Information Technology
Allahabad
CGPA:8.14/10 till 6th Semester

16-11-105, Chennam Vari Street, Old Guntur
Guntur, Andhra Pradesh, India, 522001
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Links

Github:// **dhanushv2000**
LinkedIn:// **dhanushvasa**

Skills

OS
GNU/Linux, Windows

LANGUAGES
C/C++, Java, Python, R

FRAMEWORK
Pandas,Numpy,Scikit-learn,Django

DATABASES
MySQL

OTHERS
Git, Anaconda
IntelliJ, Eclipse,
Adobe Illustrator, Adobe Photoshop

Coursework

Operating Systems
Computer Organization and Architecture
Data Structures and Algorithms
Database Management
Object Oriented Methodology
Introduction to Machine Learning
Introduction to Artificial Intelligence

Education

2019-2023
B.TECH. IN IT
Indian Institute of Information
Technology Allahabad (India)
CGPA : 8.14/10 till 6th Semester

2017-2019
INTERMEDIATE
ANDHRA PRADESH BOARD OF
INTERMEDIATE EDUCATION
FIITJEE Vijayawada (India)
CGPA: 9.17/10

2013-2016
HIGH SCHOOL
Rossmoyne Senior High School
(Australia)

OverView

Dhanush Vasa is a motivated and enthusiastic Software Developer, currently pursuing a Bachelor's degree in Information Technology from Indian Institute of Information Technology (IIIT A) Allahabad. He is experienced in working with both backend and frontend technologies. He is an active member of different cultural clubs like Photography, NCC, Media society and is a great team player. He is a quick learner and can work with new innovative technologies in shortest possible time.

Projects

FEBRUARY - MAY 2021   **Availsys:**
"AVAILSYS" is a web-based application, which enables University faculty members with the ability to Book labs and necessary resources (lab equipment) for their respective lab work. Booking information with confirmation is sent to the faculty and students through email.

Responsibility:
- Designed and implemented the back-end environment using Django, Python and MySQL database
- Developed the algorithm for not conflicting with existing lab bookings
- Implemented the system for automatic generation of emails for notifications
- Designed and developed the structurally reliable database for the system

Tools and Technologies used: Django,MySQL,Python,HTML,CSS

FEBRUARY - MAY 2021   **Stock Market Forcating With Heterogeneous Data:**
The objective of this project work is to develop an RNN (Recurrent Neural Network) based on an LSTM (Long Short Term Memory Model) to forecast the movement of stock volatility. We have analyzed various fields related to a stock market by giving our model various features as input and comparing it with the original trend of the stock market. In addition to this, the system uses heterogeneous data from carefully selected social media networks, as well as news headlines taken from official newspapers to analyze the mood of the public. In comparison to traditional transaction stock price predictions, public mood results are used as an influencer to forecast a better outcome.

Responsibility:
- Generated and used heterogeneous dataset by web scraping social media platforms along with financially influencing news articles headlines
- Applied NLTK Python library to perform Sentiment analysis
- Reduced RMSE error value by 43.86 percent and MAE error by 50.93 percent using LSTM Model with Sentiment analysis as an Influential feature

Tools and Technologies used: TensorFLow, Python, Data Mining

Certifications

JUNE 2020   **IBM Data Science Professional Certificate**

- In this Professional Certificate I developed my skill in Data Science and Machine Learning
- Understood the Mehthodologies and familiarised my self with a variety of data science tools (Python, SQL, Numpy, Scikit-learn)
- Performed a variety of Data Visualizations and Analysis along with Machine learning models to demonstrate my knowledge and skills.

Tools and Technologies used: Python,SQL,Numpy,Scikit-learn,Pandas