Venkatesh Reddy Eraveeda

👤 Profile

Passionate computer science graduate student looking forward to become data engineer. Skilled in programming languages, web technologies and data analysis and modeling techniques. Very passionate about work and eager to explore and master new technologies that contribute to development of the organization and myself.

🎓 Education

Masters in computer science, University of Texas at Arlington, Arlington

August 2021 — May 2023

Currently pursuing with cgpa of 3.0

Bachelors in computer science and engineering, Institute of Aeronautical Engineering, Hyderabad

August 2017 — May 2021

Graduated with cgpa of 7.66

Intermediate , Sri Viswasanthi Educational Institutions, Vijayawada

June 2015 — April 2017

Graduated with 78%

High School, Vijnana Vihara Residential School, Visakhapatnam

June 2014 — April 2015

Graduated with cgpa of 7.4

★ Projects

An Android malware detection system based on machine learning

August 2020 — December 2020

Description: The Android smartphone, with its open source character and excellent performance, has attracted many users. However, the convenience of the Android platform also has motivated the development of malware. The traditional method which detects the malware based on the signature is unable to detect unknown applications. The article proposes a machine learning-based lightweight system that is capable of identifying malware on Android devices. In this system we extract features based on the static analysis and the dynamitic analysis, then a new feature selection approach based on principle component analysis (PCA) and relief are presented in the article to decrease the dimensions of the features. After that, a model will be constructed with support vector machine (SVM) for classification. Experimental results show that our system provides an effective method in Android malware detection

Details

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Links

LinkedIn
Personal Website

Skills

SQL

Python

Java

PHP

JavaScript

HTML/CSS

react

C Programming

Music Recommendation System ML Project

August 2020 — December 2022

In this project, we use the dataset from Asia's leading music streaming service to build a better music recommendation system. We will try to determine which new song or which new artist a listener might like based on their previous choices. The primary task is to predict the chances of a user listening to a song repetitively within a time frame. In the dataset, the prediction is marked as 1 if the user has listened to the same song within a month. The dataset consists of which song has been heard by which user and at what time. Use classification machine learning algorithms to solve this classification problem and as a challenge, try using deep learning algorithms like neural network.

⤙ Extra-curricular activities

- Participated in many seminars on various topics including Ethical Hacking, Robotics, Game Development, Embedded Systems, Web Development and Deep Web.
- Was a finalist in the Smart Cities Hackathon held at IIIT Hyderabad where we demonstrated how to create a system for monitoring the pollution in the air.
- Won the Inter-College Cricket tournament held at Triti 2k17.