ROSHAN SARAL KUMAR

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OBJECTIVE

Passionate and driven professional skilled in Python and Java programming, with expertise in OOP, data structures, and algorithmic problem-solving. Proven team player with strong team management abilities, dedicated to driving project success. Seeking to contribute in a collaborative environment.

EDUCATION

- B.E Computer Science and Engineering (Average till 6th Semester 8.79 CGPA)

  Nitte Meenakshi Institute of Engineering, Bengaluru, Karnataka

  2022-2026

- 2nd PUC (82.2 %)

  Sri Chaithanya, Bengaluru, Karnataka

  Graduated: 2022

- 10th Standard (81.4%)

  Presidency School, Bengaluru, Karnataka

  Graduated: 2020

SKILLS

TECHNICAL SKIILS

- Python
- Java, C++
- DBMS
- Data Structures
- OOPs Concept

SOFT SKILLS

- Leadership
- Team management
- Time management
- Problem solving
- Collaboration
- Adaptability
- Trouble shooting

CERTIFICATIONS

- Artificial Intelligence with Real-Time Applications
  (Aqmenz Automation Pvt. Ltd.)
- Operating System basics from Cisco Networking Academy
- Introduction to AWS topics
- Java Foundation Certificate
  (Infosys Springboard)
- Data Analytics Essentials from Cisco Networking Academy
- Cloud Practitioner Certification
  ion progress

PROJECT DETAILS

- Twitter Sentiment Analysis using VADER
  The main objectives of this project embody crucial the feelings related to the varied tweets and obtaining and basic graphical analysis of assorted tweet attributes over an amount of your time. This could be useful in crucial the opinion of an outsized quantity of individuals.

  Model: Vader,
  Library : Streamlit, Word Cloud, Matplot
  SW Language : Python

- Movie Recommendation System
  The movie recommendation system helps users discover movies similar to their favorites. By selecting a movie from the list, users receive a list of top 10 recommended movies along with their posters. This project leverages machine learning techniques to analyze the features of movies and find similarities between them. It uses the TMDB API to fetch and display movie posters, enhancing the user experience by providing visual context for the recommendations. The system is built with Streamlit, providing an interactive and user-friendly interface for users to explore movie recommendations easily.

  ML Model based on Cosine Similarity
  Data Set : TMDB
  Library : Streamlit
  SW Language : Python

- Cryptography : Modified Blowfish algorithm

  Used the modified Blowfish algorithm (MBA) encryption and found that the second derivation process improved the avalanche effect by 5.47%, enhancing security, and was faster by 39.48% in encryption time and 38.34% in decryption time compared to the first derivation process. The key generation time was independent of input size, while encryption and decryption times were directly proportional to file size, making the second modification more efficient overall.

  Dev Platform : Android Studio with Lottie Animation

  SW Language: Java

- AR/VR Business card using QR code

In today's rapidly evolving digital landscape, traditional business cards have become ineffective, offering limited information and lacking interactivity, which makes it challenging for individuals to differentiate themselves in professional environments like job fairs and networking events. There is an increasing need for a modern solution that provides essential contact information while also highlighting one's personality, skills, and work through engaging digital content. This project responds to that need by developing Augmented Reality (AR) Business Cards using ZapWorks. These cards feature interactive components such as videos, resumes, portfolios, and social media links, improving engagement and facilitating professional communication.

Tools Used : Zapworks Stuido, Canva, Icon8 and Audio Recording Tool

LANGUAGES

English, Kannada, Hindi , Malayalam, Tamil and Telugu

HOBBIES

- Playing Cricket, Lawn Tennis, Table Tennis and Swimming
- Rock Climbing
- Presenting technical topics