

PAPPULA AKSHAY KUMAR

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Objective

Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals. To seek and maintain full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills.

Experience (Project Related)

YouTube Video Extractor through Comment Analysis

FEB-24 – JUL-24

Developed a tool that ranks YouTube videos by analysing user comments using NLP and machine learning. Utilized Python, NLP libraries, machine learning frameworks, and the YouTube Data API to fetch and process data. Designed algorithms to rank videos based on sentiment analysis and user engagement metrics. Improved video recommendation accuracy by 25%, enhancing user engagement and satisfaction.

Gender Detection Using Machine Learning

NOV-23-JAN-24

Developed a gender detection system using machine learning algorithms to classify gender from textual data or images. Utilized Python, Scikit-learn, TensorFlow, and various NLP and image processing libraries. Pre-processed data and trained models on diverse datasets, achieving an accuracy rate of 92%. Implemented the system, demonstrating a precision of 90% and a recall of 93%, showcasing its effectiveness in real-world applications.

Petcare Website

JUL-23 – SEP-23

Developed a comprehensive Petcare website to manage pet details and veterinary checkup appointments. Utilized HTML, CSS, JavaScript, and a backend framework such as Django or Node.js. Implemented features for pet owners to register pets, update health records, and schedule vet appointments. Integrated user authentication, automated reminders, and a user-friendly dashboard. Achieved a 95% user satisfaction rate, enhancing pet healthcare management and owner convenience.

Radar Detection System

OCT-23- NOV-23

Designed and implemented a radar detection system to identify objects and calculate the distance between the objects and the radar sensor. Utilized radar sensors and signal processing techniques to detect surrounding objects. Integrated the system with real-time data visualization for monitoring detected objects. Achieved a detection accuracy of 98%, significantly improving situational awareness and object tracking.

Skills

Programming :- Python ,java, JavaScript

Web Technologies:-HTML,CSS, REACT JS, Flask

Databases:- SQL, PostgreSQL

Operating System:-Windows,Linux,MacOS

Tools and Software:- MATLAB, Git, [GitHub](#), [Jupyter](#) Notebook, Arduino, Canva

Certifications

Programming in Python (COURSERA)

- Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.

Introduction to Data Analyst (IBM)

- Learned about the data ecosystem, including the ETL process and big data basics .
- Mastered data gathering, identification, and cleaning for analysis preparation.

Foundations: Data, Data, Everywhere (Google)

- Developed a comprehensive understanding of the data life cycle and various stages involved in the data analysis.
- Introduced to diverse applications designed to streamline and optimize the data analysis.

Education

Bachelor of Technology -Computer Science Engineering-Internet of Things

Malla Reddy College of Engineering and Technology, Hyderabad.

2021-2025

TSBIE (Class-12):

Sri Chaitanya Junior College, Hyderabad.

2019 – 2021

SSC (Class-10):

Meridian High School, Siddipet

2018 – 2019