Ragini Singh

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PROJECTS

MRI Tumor Detection System
github
- A web-based diagnostic tool that detects brain tumors from MRI scans and provides predictions with confidence scores using a trained machine learning model.
- Users can upload MRI images, and the system identifies tumor types such as meningioma, glioma, or no tumor with high accuracy.
- Features a clean, user-friendly interface for seamless interaction and visualization of tumor detection results.
- Built with Python for backend processing and Bootstrap for responsive design.

Telco Customer Churn Analysis
github
- Conducted exploratory data analysis (EDA) to identify key factors influencing customer churn.
- Analyzed customer behavior and visualized insights using Matplotlib and Seaborn.
- Provided actionable findings to improve customer retention strategies..

Snake Game
github
- Developed a classic snake game using Python.
- • Implemented game logic for food collection, snake growth, and collision detection.
- Added score tracking and game-over features for enhanced user engagement.

EDUCATION

Bachelor of Engineering
Mumbai University • 2022 - 2026
- Bachelor of Engineering in Artificial Intelligence and Machine Learning.

HSC
St. Aloysius junior college of Science &Commerce
- HSC (85.17%).

CERTIFICATIONS

Introduction to Python – DataCamp

Introduction to Numpy-DataCamp

Cyber Security (Honors) - Mumbai University (Pursuing)

SAP Data Analytics and Visualization Course - Edunet (Pursuing)

INVOLVEMENT

Participant
VYRO College
- Participant, Energy Transfomania 2023 - VYRO College Event.

Public Relations Officer
Universal College of Engineering
- Public Relations Officer, E-Cell - Universal College of Engineering.

SKILLS

Frameworks: TensorFlow, pandas, Numpy

Tools: MySQL

Software tools: Figma, AutoCAD

Languages: Python, SQL, HTML, CSS