

# Ragini Singh

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## PROJECTS

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### MRI Tumor Detection System

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- 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.
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## EDUCATION

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### Bachelor of Engineering

Mumbai University • 2022 - 2026

- Bachelor of Engineering in Artificial Intelligence and Machine Learning.

### HSC

St. Aloysius junior college of Science &Commerce • 2020 - 2021

- HSC (85.17%).
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## CERTIFICATIONS

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Introduction to Python – DataCamp

Introduction to Numpy-DataCamp

Cyber Security (Honors) - Mumbai University (Pursuing)

SAP Data Analytics and Visualization Course - Edunet (Pursuing)

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## INVOLVEMENT

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### 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.
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## SKILLS

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Frameworks: TensorFlow, pandas, Numpy

Tools: MySQL

Software tools: Figma, AutoCAD

Languages: Python, SQL, HTML, CSS