**SWARAJ KRISHNAN R**

**PROFILE**

Aspire to work in an organization where I can enhance my knowledge and grow professionally by utilizing my skills. Upcoming data scientist trying to

dissolve my potential in machine learning and deep learning.

**EDUCATION**

* **MSc Applied Statistics and Data Analytics**

**CGPA – 9.32 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **BSc Statistics**

**CGPA – 9.32 / 10**

* **Class 12** – 85.33% **2019**

Institution:

* **Class 10** – 92.6% **2017**

Institution:

**TECHNICAL INTERESTS**

Machine Learning, Statistics, Data Analytics

**PROJECTS**

**Predict ICU mortality using machine learning**   
Developed a machine learning model using Python, scikit-learn and to predict ICU mortality using clinical data.

Skills used: Python, scikit-learn, pandas, numpy.

**Brain Tumour Detection Using Deep Learning**

Brain tumour detection using deep learning involves training a model using MRI scans of the brain to identify the presence of a tumour. tumours we mainly consider in the project are glioma tumour, meningioma tumour, and pituitary tumour.

Methodology: We had taken 5672 images to train the model. The images are preprocessed by resizing, and normalizing the data to ensure consistency and increase the size of the dataset.

We used Deep learning models, such as Convolutional Neural Networks (CNNs), VGG16(Visual Geometry Group) and rosnet can learn complex features and relationships in the images, enabling them to make accurate predictions.

Results: its showing higher accuracy and new MRI scans are fed into the model, and it predicts whether or not the scan contains a tumor. The performance of the model is evaluated using metrics such as accuracy

**SMS Spam Detection**

Objective: To identify those messages which will identify such malicious messages and will identify whether or not the message is SPAM or HAM

Methods: The algorithm used here is multinomial naive Bayes classifier. Also tried some other algorithms like SVM, Logistic Regression, XG Boost etc.

Outcome: Developed a high-accuracy system using Python and the multinomial naive Bayes classifier

algorithm to predict whether a message is spam or ham.

**TECHNICAL SKILLS**

Python, C, NLP

**INTERNSHIP**

English, Malayalam, Hindi