

Rohini S

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Skills

Programming languages: C, C++, MatLab, Python

Operating Systems: Windows, Linux

Education

1. I have completed my Bachelor of Engineering (BE) in (ISE) Information Science & Engineering from (SJCE) Sri Jayachamarajendra College of Engineering Mysore in 2019.
2. Followed by Master of Technology (M. Tech) in (DS) Data Science from JSS Science and Technology University Mysore (formerly SJCE) in 2021.

M. Tech Projects

1. Brain Tumor Detection using CNN.

To develop Neural Network for Tumor Diagnostics from Brain MRI Images datasets.

2. Protein Classification using Naive Bayes classifier.

The Dataset contains Protein Sequence data. It is obtained from (RCSB) Research Collaboratory for Structural Bioinformatics - Protein Data Bank (PDB).

3. COVID-19 Detection using CNN.

The main aim of this project is to develop a CNN model that distinguish between COVID-19 and healthy cases. Dataset contains CT images of the lungs.

M. Tech Academics Projects

4. AI-Enabled Dementia diagnostics and risk calculation.

To develop and validate Artificial Intelligence Driven System for Dementia Diagnostics and Risk Calculation from MRI Images and OASIS datasets, further to construct an evidence based architectural model of Dementia as a syndrome.

5. Chest X-Ray medical diagnosis.

The main aim of this project is to build a state-of-the-art chest X-Ray classifier using Keras. The project will walk through the steps of building and evaluating deep learning classifier models.

6. Network traffic classification.

The main aim of this project is to classify the internet traffic using standard classification algorithms and neural networks.

7. Blood vessel segmentation of retina.

Segmentation of retinal blood vessels were performed using machine learning techniques to predict cardiovascular diseases.

8. Smart Agriculture.

Smart agricultural system was developed in order to help the farmers identify the different diseases infected on any crops and the solutions to overcome the same were provided.

9. Rain water harvesting.

Computer Graphics project which would display the rain water harvesting system.

10. Histopathologic Cancer Detection.

11. Speech classification using KNN.

12. Text Document pre-processing with the Baye's formula for classification using the vector space model.

13. Network Intrusion Detection using Machine Learning Algorithm.

14. Inference on NCBI – BLAST Tool using bacterial gene sequence.

B E Projects

1. Detection of Hemorrhages using Fuzzy C Means.

To Identify the Hemorrhages present in Retinal Fundus Images through Image Processing Techniques. Dataset is obtained from Kaggle. It contains Retinal Fundus Images.

B E Academics Projects

2. Breast Cancer Classification using SVM

3. To find the accuracy of the dataset using Random Forest Classifier

4. Cloud Based Online Blood Bank System
5. Credit Card Fraud Detection
6. ATM Management System
7. Employee Management System
8. Vehicle Tracking System
9. Bus Ticket Booking System
10. Railway Reservation System
11. Facebook Data Analysis using Hadoop
12. Distributed Downloading System

M. Tech Conferences & Workshops

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1. National Conference beyond Vision 2020.
 2. Embracing Industry 4.0 Revolution – Bio imaging Trends & Applications in Life Sciences.
 3. Biometric Recognition Conference by Anil K Jain.

B E Conferences & Workshops

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1. Research and Development Circuit Branches.
 2. International Conference on Advanced Materials and Technology - ICMAT 2016.
 3. Global Initiative of Academic Networks (GIAN) on Neuromorphic Architectures.
 4. Advanced Topics on Spiking Neural Networks & their Learning Algorithm.
 5. Second International Conference on Advanced Materials and Technology (ICMAT).
 6. Startup Conference & Work shop.
 7. Android Work shop.
 8. CSI
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