Sayyad Abdul Bari

(M.Tech in Data Science from IIT Roorkee)

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Profile

I am a highly motivated M.Tech. student specializing in Data Science from IIT Roorkee. My experience in Computer Vision and AI for Investment has provided me with a deep understanding of machine learning algorithms and their practical applications. My passion for data science and my strong analytical skills make me a valuable asset to any team.

Education

07/2022 – present
Roorkee, India
M.tech: Data Science
IIT Roorkee

08/2015 – 05/2019
Bhopal, India
B.Tech: Chemical Engg.
MANIT Bhopal

2014 – 2015
Chhatarpur, India
Intermediate (Class XII)
Dr. S. Radhakrishnan Higher Secondary School

2011 – 2012
Chhatarpur, India
Matriculate (Class X)
Govt. Maharaja Multi Purpose H.S. Excellence School No.1

Internship

01/2023 – 02/2023
Data Science
Exposys Data Labs

Skills

Computer Languages
Python(advanced)
SQL
R

Others
Object-oriented programming (proficient)
Data visualization (proficient)
Statistical analysis (proficient)
Machine learning (proficient)
Feature engineering (proficient)
Exploratory data analysis (proficient)
Regression analysis (proficient)
Database management (proficient)

Software Packages
Flask
PyTorch
TensorFlow
Keras
NumPy
Pandas
Matplotlib/Seaborn
Scikit-learn

Projects

Securing Images with Triple DES Encryption
Securing Images with Triple DES Encryption" is a Python code that encrypts and decrypts image files using Triple DES algorithm with three keys entered by the user. The encryption provides confidentiality and authentication using the MODE_EAX and nonce for generating a random/pseudo-random number.

Traffic Sign Board Detection
I develop a traffic sign board detection system using computer vision and machine learning techniques. The system will be able to detect and classify traffic signs in real-time, which can improve road safety and traffic management.

American Sign Language Detection with PyTorch
This project is an implementation of a Convolutional Neural Network (CNN) for American Sign Language detection using PyTorch. The goal of this project is to train a CNN model that can accurately detect American Sign Language gestures from images

GROUNDWATER Prediction Using GRACE Satellite
This project uses data from the Gravity Recovery and Climate Experiment (GRACE) satellite to predict ground water levels using machine learning techniques. The model achieved an R2 value of 94.88% and showed that latitude has a more significant impact on ground water thickness than longitude.

Languages

- English
- Hindi
- Urdu

Organizations

07/2017 – 05/2019
Bhopal, India

Mission Education Foundation
Member