Saif Rathod

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EDUCATION

MARWADI UNIVERSITY
BTech in Computer Science
Expected Grad: 2026 | Rajkot,India

KENDRIYA VIDYALAYA
Grad. May 2022 | Porbandar, India

LINKS

Github:// Saif-rathod
LinkedIn:// saif-rathod

UG COURSEWORK

Data Structure and Algorithms
Cloud Computing
Operating Systems
Database Management System
Computer Architectures and Systems
Object Oriented Programming
Advance Java Technology
Advanced Web Development
Artificial Intelligence + Practicum

SKILLS

PROGRAMMING

Programming Languages: Python, Java, JavaScript, C++
Data Structures and Algorithms: Sorting, Searching, Dynamic Programming, Graph Algorithms, Trees, Hashing.
Machine Learning: Artificial Neural Networks, Classification, Computer Vision, NLP.
Front-end Technologies: HTML, CSS, React, Angular
Back-end Technologies: Django, FastAPI, Flask, NodeJs, Php
AppDev: Flutter
Competitive Programming, OOPs
Database Management: MySQL, RDBMS, MongoDB(noSql)

Interpersonal Skills:
Team Leadership,Communication and Presentation Skills

ABOUT ME

I am a passionate penultimate year Computer Science student with a strong foundation in Data Structures and Algorithms and a specialization in AI and Machine Learning. I thrive on converting complex problems into elegant solutions, whether through optimized algorithms or advanced machine learning models. I am committed to leveraging my skills for real-world impact and am actively seeking opportunities to apply my expertise in a dynamic tech environment.

PROJECTS

CHRONIC KIDNEY DISEASE PREDICTION

- Achieved up to 98.33 percent accuracy in Chronic Kidney Disease prediction using advanced machine learning models.
- Enhanced model performance through rigorous data preprocessing and hyperparameter tuning techniques like GridSearchCV.

HATE SPEECH DETECTION:

- Developed a Hate Speech Detection system with NLP features including tokenization, stemming, and stopword removal.
- Used NLTK, pandas, and scikit-learn to implement a Decision Tree Classifier for tweet classification into 'Hate Speech', 'Not Offensive', and 'Neutral' categories.

STOCK PRICE PREDICTION:

- Developed a stock price prediction model using data from 2020-01-01 to 2023-01-01 (1096 days).
- Achieved an R^2 score of 0.95 and MSE of 10.5 on the training set, and an R^2 score of 0.93 and MSE of 12.3 on the test set.

CERTIFICATIONS

- AI For Everyone - DeepLearning.AI
- Supervised Machine Learning - Coursera
- Advanced Machine Learning Algorithms - Coursera
- Data Structures - University of California