Vinay Sadhwani

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GitHub | Linkedin | LeetCode | GeeksforGeeks

Education

Rajiv Gandhi Institute Of Petroleum Technology — Jais ,Amethi
Bachelors Information Technology — December 2021 - July 2025
CGPA: 8.14

City Montessori Inter College — Lucknow, Uttar Pradesh
XII,(ISC) — 2021
Percentage: 93.84%

City Montessori Inter College — Lucknow, Uttar Pradesh
X,(ICSE) — 2019
Percentage: 96.67%

Experience

GeeksforGeeks | Technical Content Writer Intern — Oct 23 - Present
- Published articles on various **Machine Learning** tools and frameworks. | **Link**

Tutor | Biology — Aug 2023 - Present
- Teaching Biology to First Year Students.

Skills

Programming Languages:	Data Structures , Algorithms, JAVA, C++, PYTHON, C, MATLAB, R, HTML, CSS, JAVASCRIPT
Libraries/Frameworks:	TensorFlow, Pandas, Pytorch, NumPy, Matplotlib, Keras, SciKit-Learn, SciPy, LightGBM, ReactJs, NodeJs
Tools / Platforms:	Neural Networks, LSTM, Support Vector Machines, Gradient Boosting, Random Forest, Decision Trees, Logistic Regression, Linear Regression, Data Science, Data Analytics, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Statistics, Git, GitHub, AUTOCAD, PowerBI, MAYA
Databases:	SQL, MongoDB

Projects / Open-Source

Twitter Sentiment Analysis | Link — *LSTM, TensorFlow, nltk, re, Python*
Utilizing the **TensorFlow** framework, Twitter sentiment analysis system employs **Long Short-Term Memory (LSTM)** networks to process vast amounts of data, effectively extracting sentiment from tweets in real-time. The model was successfully able to classify the tweets into: Positive, Negative and Neutral with an accuracy of 89%

Resume Screener | Link — *NLP, Scikit-learn, nltk, pypdf, Python*
Utilized **Natural Language Processing (NLP)** to enhance resume screening efficiency enabling precise analysis of candidate qualifications and skills for optimal candidate selection.

DermAId | Smart Dermatology Diagnostic Assistant | Link — *CNN, TensorFlow, Scikit-learn, Python*
Developed an AI-powered tool leveraging **Convolutional Neural Networks (CNN)** to conduct initial diagnoses of dermatological conditions by analyzing skin manifestations, aiding in early detection and providing preliminary insights for medical professionals and patients.

INDO — *HTML, ReactJs, Tailwind CSS, php, SQL*
Created a web platform by harnessing **React** for frontend development, integrating **PHP** and **SQL** for backend operations. This innovative system efficiently bridges **Movers and Packers** with their customer base, fostering seamless connections and streamlined interactions through a purpose-built website.

SoundScape *Scikit-Learn, Scipy, Numpy, Python*

Adding realistic audio to **Google Navigation**

Certifications

- Practical Numerical Methods Using PYTHON - **INDIAN INSTITUTE OF TECHNOLOGY , KANPUR**
- Google Data Analytics Capstone: Complete a Case Study - **Coursera**
- California Institute of Arts: Visual Elements of User Interface Design - **Coursera**
- Python Project for Data Science - **IBM**

Honors & Awards

TOP 2% IN IIT-JEE ADVANCED 2021

Startup Abstract selected at PITCH PREMIER-TechKriti'23 organized by Indian Institute of Technology, Kanpur.

Among the 40 students selected for ACM India Summer School 2023 on Algorithms for Data Science.

Qualified for Amazon ML Summer School 2023.

Selected for AWS AI & ML Scholarship 2023.