Aditya Soni

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Bhopal, MP

Github   Linkedin   Portfolio

Data Science enthusiast with a strong academic background in mathematics and computer science, experienced in data analysis, Machine Learning, and proficient in Python, SQL. Committed to utilizing data-driven insights to solve complex real-world problems..

Education

Oriental Institute of Science And Technology,
B.Tech in CSE, Specialization in Artificial Intelligence and Machine Learning

Bhopal, MP
2020 - 2024

Skills

Languages and Tools	: Python, SQL, Git, GitHub
Libraries & Frameworks	: Numpy, Pandas, Matplotlib, Seaborn, Plotly, Sk-Learn, Streamlit, Flask
Data Science & Machine Learning	: Data gathering, Data cleaning, EDA, Feature engineering, Feature selection & Extraction, Supervised and Unsupervised learning algos.
Mathematics for ML & DL	: Statistics, Probability, Linear algebra, Matrices
Tools for Data Analysis	: Tableau, Power bi, Excel
Databases	: MySQL

Experience

Data Scientist Intern | British Airways   Jun 2024 - Jul 2024
- Completed a simulation focussing on how data science is a critical component of British Airways success
- Scraped and analysed customer review data to uncover findings Built a predictive model to understand
- factors that influence buying behaviour

Data Scientist Intern | Innomatics Research Lab   Jan 2024 - Mar 2024
- Performed web scraping using Beautiful Soup to generated dataset of 650 smartphones from smartprix website.
- Conducted data cleaning, assessment and exploratory data analysis.
- Apply machine learning algorithms to make predictions based on the data.

Future Ready Talent Internship | Microsoft   Apr 2022 - Aug 2022
- Gained hands-on experience with Azure through self-paced learning modules and industry-led sessions.
- Project: Developed and deployed an eCommerce website using Azure Web App Service, focusing on cloud scalability and reliability.
- Utilized GitHub for version control and collaboration, enhancing project management skills.

Project

Group Chat Analyzer   Source code
A web app built with Streamlit for analyzing chat logs. It provides insights into message statistics, sentiment analysis, word clouds, and activity timelines, all presented in a user-friendly interface.
Technologies used : Streamlit, Pandas, Matplotlib, Seaborn, TextBlob, Emoji, Wordcloud, URLExtract

AI Chatbot Web Application   Source code
A web app that provides AI-driven conversational experiences through interactive chatbots. It utilizes Flask for the backend and Firebase for user authentication and real-time database management, offering personalized interactions and secure session management.
Technologies used: Flask, Pyrebase, Python, HTML/CSS, Firebase

Image Caption Generator   Source code
Developed a Streamlit app using a VGG16 + LSTM model to generate captions for images. Achieved a BLEU-1 score of 0.528 on the Flickr8k dataset.
Technologies used: Streamlit, TensorFlow, Keras, VGG16, LSTM, NLTK,

Certifications

- Google Data Analytics **-** Coursera
- Computer vision – FITT IITD
- Machine Learning with Python   - IBM
- Cloud Bootcamp   geeksforgeeks