Sougata Patra

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Objective

Seeking an entry level position to begin my career in a high level professional enivorment. To secure a challenging position in a reputable organization to expand my learning, knowledge, and skills.

Education

Course / Degree	School / University	Grade / Score	Year
M.Sc in Data science	Kalyani University	80.14%	2023
B.Sc in Computer Science	Brainware University	86.04%	2021

Skills

- Data Science / Machine learning /Deep learning: Python,Data Visuallisation,Supervised Learning algos,Unsupervised Learning algos,ANN,CNN,EDA,Feature selection & extraction etc.
- Data Visualization:Excel, Google sheets, Microsoft office,powerBI .
- Python packages and Framework: Sckit-Learn,Keras,Numpy,Pandas,Scipy,Beautiful soup, pyspark.
- Soft Skills: Time management , Team spirit.

Projects

- **SP Chat Detective: Uncovering the Secrets of Your WhatsApp Conversations**
    - Developed and designed a user-friendly WhatsApp chat analysis web app using Streamlit that provides both group and individual person analysis.
    - Includes features such as media share count, total messages, total words, total link shares, monthly and daily timelines, busiest day and month, weekly activity map, most active user, word cloud, and the most overused word.
    - Allows users to upload their group export chat without media and receive comprehensive insights into messaging behaviour, providing valuable information to help them improve their communication skills and manage their daily lives more efficiently.
    - Offers a unique and valuable tool for analysing group dynamics and individual messaging behaviour, making it ideal for personal growth, communication improvement, and time management in both personal and professional settings.
    - Provides a simple yet powerful way to identify the most active users, most commonly used words, and busiest periods, allowing users to make data-driven decisions and communicate more effectively.
    - https://sp-chat-detective07.streamlit.app/

- **AQI Analysis of Kolkata Using Machine Learning**
    - Conducted an in-depth analysis of historical air quality data for Kolkata, identifying major pollutants responsible for deteriorating air quality.
    - Utilised statistical methods and machine learning algorithms to narrow down key contributors to air pollution, including Particulate Matter (PM2.5 and PM10), Nitrogen Dioxide (NO2), sulphur Dioxide (SO2), Ozone (O3), and Carbon Monoxide (CO) and predict the future.
    - https://github.com/heysougata/AQI-Analysis-of-Kolkata-Using-Machine-Learning

- **Personal Digital Voice Assistant**
    - The"Personal Digital Voice Assistant" project is built on Python 3.5+ and utilizes the SpeechRecognition API for converting audio to text.
    - The pyttsx3 library is used for voice recognition.
    - The GUI is built with Tkinter.
    - Popular libraries like os, time, and webbrowser are used to add important features like web browsing, news, and YouTube video search.
    - The project aims to provide a reliable, fast, secure, and intuitive experience for users to interact with their computers hands-free.
    - https://github.com/heysougata/PERSONAL-DIGITAL-VOICE-ASSISTANT

Activities

- Webguru Infosystems for Industrial Training 2020 in PHP.(Laravel Framework and MYSQL).
- With consistent effort and dedication, I have successfully solved the "Problem of The Day" challenge on Geeksforgeeks and earned the opportunity to receive a fashionable GFG T-shirt and GFG Bag as a prize.

Certificate

- Participate Internal HACKATHON 2020.
- NPTEL online certification in Python.
- LinkedIn Certified Marketing Insider.
- The Fundamental of Digital Marketing by Google Digital Garage.
- Introduction to Cyber Security by Cisco.