Sneha Sarkar

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Professional Summary

Computer Science undergraduate (AI & ML) skilled in Python, Machine Learning, Deep Learning, NLP, and Data Analysis. Experienced in building AI-driven projects and predictive models, with strong problem-solving skills and 550+ coding problems solved. AWS Certified Cloud Practitioner with excellent analytical and communication abilities.

Education

VIT Bhopal University June 2022 pursuing
BTech in CSE(AIML) ***8.81 CGPA***

Skills

Expertise: Python, SQL, C++, Java, Machine Learning, Deep Learning, NLP, Data Analysis, Data Structures & Algorithms, OOP, Advanced Excel Function

Languages: Python, SQL, C++, Java, HTML, CSS

Frameworks: NumPy, pandas, scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, NLTK, spaCy, Gensim, Matplotlib, Seaborn, Plotly, Flask

Tools: Excel, Google Sheets, Git, GitHub, AWS, Jupyter Notebook, VS Code, Google Colab, PyCharm, Tinkercad

Professional: Problem Solving, Analytical Thinking, Strong English Communication, Report Writing, Teamwork, Time Management, Adaptability, Critical Thinking, Technical Documentation

Projects

AI-Powered Conversational Chatbot

Conversational AI, NLP, Deep Learning, LSTM, Flask, Automated Customer Support (GitHub)

- Developed an AI-based chatbot using TensorFlow and Keras for intent classification and automated responses.
- Designed NLP preprocessing pipeline for tokenization, lemmatization, and training deep learning models.

Rainfall Prediction System

Machine Learning, Data Analysis, Regression, Predictive Modeling, Data Visualization (GitHub)

- Built machine learning models (Linear Regression, Decision Tree, Random Forest) to predict rainfall trends
- Performed data preprocessing, feature engineering, and exploratory data analysis on historical datasets.

Resume Scanner

NLP, Resume Screening, Text Mining, Machine Learning, Flask, Automation (GitHub)

- Developed an NLP-based resume screening tool for keyword extraction and candidate skill matching.
- Implemented similarity scoring using scikit-learn for automated candidate ranking.

WhatsApp Chat Analyzer

Data Analysis, NLP, Python, Visualization, Text Analytics (GitHub)

- Developed a Python-based system to analyze WhatsApp chat data and extract communication insights.
- Visualized message trends, user activity, and word frequency using pandas and Matplotlib/Seaborn.

Experience

TEACHNOOK ROBOTICS Feb 2023 – May 2023
Robotics Intern *Remote*

- Designed and simulated robotic components using TinkerCad and worked with sensors and motors for basic automation projects.

Certifications & Achievements

- Solved 550+ coding problems across multiple platforms (Link)
- AWS Certified Cloud Practitioner (Link)
- Privacy and Security in Online Social Media (NPTEL) (Link)
- GEN AI Using IBM Watsonx (Link)