Sneha Sarkar

✉ snehasarkar9609@gmail.com　📞 9609494186　in LinkedIn　⌗ GitHub　⅄ LeetCode

EDUCATION

VIT Bhopal University	June 2022 pursuing
BTech in CSE (AIML)	***8.78 CGPA***
PM Shree Kendriya Vidyalaya Berhampore, WB	May-2022
Class XII	***69.9%***
PM Shree Kendriya Vidyalaya Berhampore, WB	May-2020
Class X	***79.5%***

SKILLS

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

Frameworks: OpenCV, NumPy, pandas, matplotlib, seaborn, plotly, scikit-learn, TensorFlow, Keras, PyTorch, NLTK, Gensim, Computer Vision, NLP, ANN, Deep Learning, Data Science, Machine Learning, Data Structures and Algorithms (DSA), Computer Networks (CN)

Tools: Excel, Git, AWS, GitHub, Flask

Professional: English Speaking, Agile Learning Mindset, Strong Problem-Solving Skills, Japanese Speaking.

PROJECTS

Rainfall Prediction System

Python, NumPy, pandas, scikit-learn, Matplotlib, Seaborn, Machine Learning (GitHub)

- Developed ML model to predict rainfall using regression algorithms (Linear Regression, Decision Trees, Random Forest) on historical weather data.
- Performed data preprocessing, EDA, feature engineering, and visualized weather patterns using correlation heatmaps.

AI-Powered Chatbot

Python, NLTK, TensorFlow, Keras, Flask, NLP (GitHub)

- Built conversational chatbot using NLP and deep learning for intent classification and automated response generation.
- Trained neural network with TensorFlow/Keras and deployed using Flask for real-time user interaction.

Resume Scanner System

Python, NLTK, spaCy, scikit-learn, Flask, NLP (GitHub)

- Developed resume screening system using NLP to extract key information (skills, experience, education) and match candidates with job requirements.
- Implemented text parsing, keyword extraction, and similarity scoring algorithms with Flask-based interface for automated resume analysis.

Cancer Detection System

Python, NumPy, pandas, scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn (GitHub)

- Developed ML-based cancer detection system to classify tumors as malignant or benign using medical diagnostic data and classification algorithms.
- Performed data preprocessing, feature extraction, model training with multiple algorithms, and visualized results using correlation analysis.

EXPERIENCE

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

- Designed and simulated robotic components (hand, leg) using TinkerCad and worked with electronic sensors and motors.
- Participated in circuit design sessions and learned applications of electrical devices in robotics automation.

CERTIFICATIONS & ACHIEVEMENTS

- Solved 400+ 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)