Arya Sarkar

(+91) 7044780817 | arya.08.as44@gmail.com | Github: https://github.com/aryacodez

EDUCATION

University of Engineering & Management, Kolkata June 2019 – June 2023
BTech in Computer Science & Engineering

- Current CGPA 9.49

St Paul's Mission School, Kolkata April 2005 – April 2019
Pursued ICSE & ISC

- Passed ISC with aggregate of 74.66%.

EXPERIENCE

Python Developer Jan 2021 – Feb 2021
CodeSpeedy Technologies Pvt Ltd

- Developed different kind of python projects and prepared documentation as well.
- Worked on Tkinter and Folium library to develop the projects.

PROJECTS

Cotton Disease Detection Nov 2021 – Nov 2021

- The goal of the project was to detect whether the cotton plant leaf is suffering from disease.
- Developed a deep learning model using transfer learning technique.
- Technology used: - Keras, TensorFlow, Seaborn, Streamlit, Heroku.

Water Quality Analysis Sept. 2021 – Sept. 2021

- This was data analysis project where we have to find the reason for potability of water.
- We performed data cleaning and analysed the data using EDA.
- We got a cross validation score of around 74% and predictive model that performed best is Random Forest Classifier.
- Technology used: - Pandas, Seaborn, NumPy, scikit-learn, Xgboost, Matplotlib

Drowsiness Detection May 2021 – June 2021

- The goal of the project was to detect whether the eyes are opened or closed.
- In this we developed a CNN model from scratch and implemented on the dataset to develop a model.
- We got accuracy of 92% and use the model with OpenCV for real- time detection.
- Technology used: - Keras, TensorFlow, OpenCV.

SKILLS

Development: Python, C, SQL, MS Excel, Html, CSS
Frameworks & Libraries: NumPy, Pandas, Seaborn, Matplotlib, Scikit-Learn, Keras, TensorFlow, Streamlit, Git & GitHub.
Deployment: Heroku

CERTIFICATIONS / COURSES

- Data Analysis with Python, IBM
- Machine Learning & Deep Learning in Python, Udemy

ACHIEVEMENTS & RESPONSIBILITIES

- Achieved Top 38% rank in Kaggle 30 days ML challenge.
- Participated in HacktoberFest challenge.