

# ARYA SARKAR

Kolkata, West Bengal

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aryacodez

## EDUCATION

University of Engineering & Management, Kolkata

B.Tech in Computer Science and Engineering - **CGPA - 9.56**

06-2019 – 06-2023

Kolkata, India

St. Paul's Mission School

ISC - **Percentage - 74.66%**

04 2017 – 04 2017

Kolkata, India

## INTERNSHIP

The TannMann Gaadi Foundation

12 2021 – 04 2022

Tensorflow Engineer

Remote

- Implemented a python code to extract text from video and applied NLP pipeline to extract keywords from the text using topic modeling.
- Assisted the backend team to integrate machine learning model in a website.
- Worked on 'Virtual-TryOn' to let the customer fit there clothes virtually.

Codespeedy Technology Private Limited

01 2021 – 02 2021

Python Developer

Remote

- Worked as python developer and helped contributing in some valuable source code and prepared documentation as well.
- Implemented folium and other python libraries to develop the projects.

## PROJECTS

Parking Lot Detection System | Detectron2, Numpy, Pandas, Streamlit

01 2022

- This is machine learning web based application which can be used to monitor parking spaces and also integrated an analytical dashboard for the user.
- Implemented an object detection algorithm which can efficiently detect the vacant parking spaces.

Cotton Disease Detection | Keras, TensorFlow, Seaborn, Streamlit, Heroku

11 2021

- The goal of the project was to predict whether the cotton plant leaf is suffering from disease.
- Implemented a deep learning model using transfer learning technique with accuracy of 90%

Used Car Price Predictor | Python, HTML, Flask

06 2020

- Aim of this project was to predict the price of a second hand cars.
- In this we performed visualization to find relation between different attributes and get insights of the data and also performed cleaning and transformation and finally applied decision tree algorithm for prediction.
- Then developed a html website and deployed it on heroku.

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- Database Management System (DBMS)
- Machine Learning

## TECHNICAL SKILLS

Languages: Python, Java, SQL, HTML, CSS

Developer Tools: VS Code, Jupiter Notebook, Colaboratory, Netbeans, Heroku, Github

Technologies/Frameworks: Numpy, Pandas, Tensorflow, Keras, Scikit-learn, Seaborn, Streamlit, Flask, Power BI(familiar)

## EXTRACURRICULAR

Participated in JWOC ,open source competition and Rank-41.

Participated in Hack4Bengal Hackathon

## CERTIFICATIONS

- Programming for Everybody Getting Started with Python - Coursera
- Data Analysis with Python - CognitiveClass.ai
- Machine Learning & Deep Learning in Python & R - Udemey