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GitHub github.com/Souhardyagayen99

Portfolio https://souhardyagayen99.github.io/Souhardya/

Education

M.Tech in AI
Kolkata, India

MAKAUT (In- house, Main Campus)

07/2022 - 07/2024

CGPA: 8.80/10 (upto sem-3)

B.Tech in CSE

NITMAS Kolkata, India

07/2018 - 06/2022

CGPA: 8.73/10

Skills

- C
- HTML
- MySQL
- DSA
- ANN
- AI
- Java
- CSS
- MongoDB
- NLP
- OS
- ML
- Python
- JavaScript
- NodeJS
- DeepLearning
- Git

Certificates

- Java
- DSA(Java)
- Frontend
- Backend(Node.js)
- DBMS
- Python
- AI
- ML
- Other Certificates

Language

English : Speak, Read and Write

Hindi : Speak and Read

Bengali : Native Language

Souhardya Gayen

Aspiring Assistant Professor

Internship Experience

27/11/2023 - Present
The Holy Angel's English Academy, Malda, WB
Teacher (PGT, Computer & AI)

09/05/2023 - 15/09/2023
Coding Ninjas l Remote
Teaching Assistance
- I have solved more than 1000 doubts, regarding Frontend and Backend.
- Debugged their code, and provided a new approach for the same problem.

May/2023 - Aug/2023
FeynnLabs l Remote I LOR
Machine Learning Intern
- Here I have worked on the Electric Vehicle Market Segmentation project
- In that project, I have engaged in data exploration, model development, and evaluation.
- Gained practical knowledge in Data preprocessing and feature selection.
- I Applied machine learning algorithms using Python and relevant libraries.

08/2021 - 09/2021
Exposys Data Labs l Remote
Machine Learning Intern
- Diabetes-Prediction-model by using Python
- Prepare the data-set using several methods to train the model.
- Build a model which can give high accuracy of predicting the disease.

Projects

Detection of Phishing Websites using an ML Approach - Python

Group Project || 3 members || Under Dr. Bappaditya Mondal, NITMAS, CSE Dept.
- The aim of the project is to detect phishing URLs.
- Here we can check which website is fraud and which is legitimate
- **Tech Used:-** Python and ML Algorithm like SVM, logistic Regrassion, Random Forest, Decision Tree. Compare ML algorithms based on accuracy, false positive rate, and false negative rate.

Credit Card_fraud_detection || ML Project - Python

Course Project || Under Dr. Debasis Giri, WBUT, IT Dept.
- My main moto is how to identify fraud transaction
- here the banks can check which credit card transaction is fraud and which one is legitimate.
- **Tech Used:-** Anomaly detection, supervised learning algorithms like logistic regression or random forests, and resampling methods to address the class imbalance can be used to achieve this goal.

Electric Vechical Market Segmentation - Python

Group Project || 4 members || Under Feynn Labs.
- This is a team task where the job is to analyse the Electric Vehicle market in India using Segmentation analysis and come up with a feasible strategy to enter the market, targeting the segments most likely to use Electric vehicles.
- **Tech Used:-** EDA, Elbow method, Clustering algorithm (K-Mean Clustering Algorithm).

Diabetes-Prediction-Project - Python || Under Exposys Data Labs
- here Doctors can predict Diabetes with some random values, The input_data format = (Glucose level, Insulin, BMI, Diabetes PF, Age). Prediction value is '1' means diabetic '0' means not diabetic.
- **Tech Used:-** KNN, SVM, Naïve Bias algorithms.
- **Modules/libraries-** Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn

Achievements And Extracurriculars

Swami Vivekananda Merit-cum-Means Scholarship: A merit base Scholarship, 2022 - 2024.
Attended workshop on ML for Cryptology at **ISI Kolkata** Organized by **DRDO** and **ISI Kolkata**.
Attended workshop on Ethical Hacking at **IIT Kharagpur** Organized by **KYRION** and **Microsoft**.
Recently, I received an Offer from "Sanjivani Institute Of Technology" for the post of "Assistant Professor"