

## Contact

- Phone

+916297795447
- Email

souhardyagayen99@gmail.com
- Address

Kolkata, India
- Linkedin

<https://www.linkedin.com/in/SouhardyaGayen99/>
- GitHub

[github.com/SouhardyaGayen99](https://github.com/SouhardyaGayen99)
- Portfolio

<https://souhardyagayen99.github.io/Souhardya/>

## Education

- M.Tech in AI

Kolkata, India
- MAKAUT/WBUT (Govt. Of W.B.)

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

Java

Python

HTML

CSS

JavaScript

MySQL

MongoDB

NodeJS

DSA

NLP

DeepLearning

ANN

OS

Git

AI

ML

## 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/Work Experience

- 22/07/2024 - Present

Sanjivani University, Kopargaon, MH

Assistant Professor
- 27/11/2023 - 10/07/2024

The Holy Angel's English Academy, Malda, WB

Teacher (PGT, Computer & AI)
- 09/05/2023 - 15/09/2023

Coding Ninjas | 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 | Remote | 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.
- 08/2021 - 09/2021

Exposys Data Labs | 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.