

## Contact

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Portfolio	<a href="https://souhardyagayen99.github.io/Souhardya/">https://souhardyagayen99.github.io/Souhardya/</a>

## Education

**M.Tech in AI** Kolkata, India  
**MAKAUT (In- house, Main Campus)**  
07/2022 - 07/2024  
CGPA: 8.80/10 (upto sem-2)

### 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 Experience

- **27/11/2023 - Present**  
The Holy Angel's English Academy  
**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.
  - I Applied machine learning algorithms using Python and relevant libraries.
- **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**.