

SOUHARDYA GAYEN

M.Tech – Artificial Intelligence
MAKAUT(Formally known as WBUT), Kolkata

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech(AI)	MAKAUT (In-house, Main Campus), WB	8.80/10	2022-2024
B.Tech(CSE)	NITMAS, Kolkata	8.73/10	2018-2022
Higher Secondary	WBCHSC Board	85.4%	2017
Secondary	WBBSE Board	83.0%	2015

INTERNSHIP EXPERIENCE

- The Holy Angel's English Academy** 27 Nov 23 – Present
Teacher (PGT, Computer & AI)
- Coding Ninjas** 09 May 23 – 15 Sep 23
Teaching Assistance (Full Stack Web Developer Intern)
 - I have solved more than 1100 doubts, regarding Frontend and Backend.
 - Debugged their code, and provided a new approach for the same problem.
- Feynn Labs || LOR** 07 May 23 – 31 Aug 23
ML 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.
- Exposys Data Labs** Aug'21 - Sep'21
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

- Credit Card_fraud_detection || ML Project – Python || Github** Mar'23 - Present
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 || Github** May'23 – Aug'23
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).
- Detection of Phishing Websites using an ML Approach - Python || Github** Aug'21 - April'22
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.

- **Diabetes-Prediction-Project - Python || Under Exposys Data Labs || [Github](#)**

Aug'21 – Sep'21

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.

TECHNICAL SKILL

- **Programming:** C, Java, Python
- **Web Technologies:** HTML, CSS, JavaScript, React, Flask, Django
- **AI Technologies:** NLP, DeepLearning, ANN, AI, ML
- **Database Management:** MySQL, MangoDB, Firebase
- **Others:** DSA, OS, Git

KEY COURSES TAKEN

- Python(IIT Madras), AI, ML, Java, DSA(Java), Frontend(HTML, CSS, JavaScript), DBMS, ReactJS, System Design, OS, Other-Courses

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.

Languages

- **English:** Speak, Read and Write
- **Hindi:** Speak and Read
- **Bengali:** Native Language