SOUHARDYA GAYEN

M.Tech − Artificial Intelligence
MAKAUT(Formaly 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*