

# Sakil Middya

## Data Scientist | Machine Learning | Analytics

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### SUMMARY

Aspiring Data Scientist with a background in Commerce (B.Com) and strong analytical skills. Seeking to leverage my passion for data analysis and machine learning to contribute to a dynamic team. Eager to apply my knowledge in Python, SQL, and data visualization to solve real-world problems and drive business decisions.

### Projects:

#### Machine Learning Projects :

##### Project 1 : Movie-Recommendation-System

- Filtering Movie Recommendation for Users.
- Tools: Python, Scikit-Learn, other-libraries.

##### Project 2 : Credit-Card-Fraud-Detection-(Using-SMOTE)

- Achieving 95% Detection Accuracy and Reducing Fraud Detection By 25%.
- Tools: Python, Scikit-Learn, smote.

##### Project 3 : CarPrice-Prediction-(Using-All-Algorithms)

- Built A Best Prediction Model of Price Using All Regression Algorithms
- Improved accuracy by Reducing se and using Variance, bias, Rasidual-error.
- Tools: Python, Scikit-Learn.

### Deep Learning Projects:

#### Project 1 : Image Classification using CNNs .

- Developed a Convolutional Neural Network (CNN) to classify images from the CIFAR-10 dataset.
- Achieved an accuracy of [95]% by optimizing the network architecture and hyperparameters.
- Tools: Python, TensorFlow, Keras.

#### Project 2 : Sentiment Analysis using RNNs .

- Implemented a Recurrent Neural Network (RNN) with LSTM layers to perform sentiment analysis on movie reviews.
- Improved model performance by incorporating word embeddings and dropout regularization.

### Languages

English (Fluent)  
Bengali (Native)  
Hindi (Proficient)

### Skills

Programming : Python , SQL .

Data Visualization : Power BI , MS Excel , Tableau , Matplotlib , Seaborn , Plotly .

Machine Learning : Regression , Classification , Clustering .

Deep Learning : TensorFlow , Keras , PyTorch .

Neural Networks : CNN , RNN .

NLP : Text Preprocessing, Sentiment Analysis, Word Embeddings .

Tools : MS Excel, Jupyter Notebooks VS Code .

Web Scraping : BeautifulSoup .

### Education

B.com (Honours)

In Accountancy

Year- 2020

University Of Calcutta

### CERTIFICATION

Certificate in Data Science -  
[SkillEnable]

Certificate of MS Power BI-  
[Jobaaj]

Certificate of MS Power BI-  
[Office Master]

Certificate of MS Excel -  
[Iraedu.tech]

Certificate of AI and chatgpt -  
[Be10x]

Certificate of AI and chatgpt -  
[ISO]

Year - 2023-2024

### PASSION

- Machine Learning  
Passionate about leveraging machine learning to interpret complex data.

