





# Mohammad Ibrahim Hossain

 Portfolio |  +8801301927872 |  Gmail |  Mohammad Ibrahim

## SKILLS

**Machine Learning** | Supervised & Unsupervised Learning, Model Selection, Hyperparameter Tuning, Ensemble Methods

**Data Science** | Data Cleaning, Feature Engineering, EDA, Statistical Analysis, Data Visualization

**MLOps** | CI/CD, Docker, Kubernetes, AWS SageMaker, Version Control, Automated Retraining

**Tools & Libraries** | Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Plotly, Git, DVC, MLflow

**Programming Languages** | Python, SQL

**Soft Skills** | Problem-Solving, Collaboration, Communication, Adaptability

## Projects

### Sentiment Analysis

Developed a system to classify text (positive, negative, neutral, suicidal) for customer feedback and social media analysis.

Technologies: Python, Pandas, Scikit-learn, Logistic Regression, MLOps, TF-IDF, Streamlit. Achieved 85% accuracy with logistic regression after tuning. Deployed via Streamlit for real-time predictions.

### Real Estate Model App

Developed a real estate suite for price prediction, analysis, and apartment recommendations using machine learning.

Technologies: Python, Random Forest, Streamlit, MLOps, Docker.

Achieved 95% accuracy. Deployed three Streamlit apps. [GitHub: Real Estate Model](#)

### Movie Recommendation System

Built a recommendation system using collaborative filtering to suggest films based on user preferences.

Technologies: Python, Pandas, NumPy, Scikit-learn, MLOps, Docker, Streamlit.

Achieved 90% accuracy. Deployed via Streamlit for real-time recommendations.

### CBC Report Checker

Developed a web app to analyze CBC reports and provide health insights.

Technologies: Python, Pandas, NumPy, DVC, Docker, Streamlit.

Managed the full project lifecycle, including data preprocessing, feature engineering, and model deployment.

## Languages

### Communication

**Languages** | English, Bangla

### Programming Languages

| Python, SQL

## EDUCATION

**Badda Alatunnessa High School**, Badda, Dhaka — SSC

January 2013 - April 2023

Completed Secondary School Certificate (SSC) with a focus on academic excellence and active participation in extracurricular activities.

**Govt. Bangla College**, Mirpur-1, Dhaka — HSC

August 2023 - Running

I am pursuing a Higher Secondary Certificate (HSC), building a strong foundation in core subjects while engaging in student-led initiatives.

