

Mohammad Ibrahim Hossain

 [Portfolio](#) |  +8801301927872 |  [Gmail](#) |  [Mohammad Ibrahim](#) |  [Github](#)

SKILLS

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

Deep Learning | Neural Networks, CNNs, RNNs, Transfer Learning, Model Optimization

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

MLOps | CI/CD, Docker, Kubernetes, AWS (EC2, S3, 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, Teamwork

Projects

[YouTube Comment Analyzer](#) | [Code](#)

Developed a tool to analyze YouTube comments for sentiment and trends. Technologies: Python, Pandas, Scikit-Learn, NLP, Streamlit
Highlighted top comments and visualized frequent words for actionable insights.

[Real Estate Model App](#) | [Code](#)

Developed a real estate suite for price prediction, analysis, and apartment recommendations. Technologies: Python, Random Forest, Streamlit, MLOps, Docker.
Achieved 95% accuracy. Deployed three Streamlit apps.

[Sentiment Analysis](#)

Built a system to classify text sentiment (positive, negative, neutral, suicidal) for feedback analysis. Technologies: Pandas, Scikit-learn, Logistic Regression, MLOps, TF-IDF, Streamlit. Achieved 85% accuracy with logistic regression after tuning.
Deployed via Streamlit for real-time predictions.

[Personal AI Chatbot](#)

Developed and deployed a chatbot with dynamic, context-aware interactions and a user-friendly interface. Focused on personalized responses and seamless engagement.
Technologies: Python, NLP, Streamlit, Deep Learning, ML

[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 medical web app to analyze CBC reports and provide health insights.
Handled data preprocessing, feature engineering, and model deployment for accurate health analysis.

Languages

English: Fluent

Bangla: Native

Certification

CampusX DSMP 2.0 | Data Science, ML, MLOps

Specialization in Data Science, Data Analytics, Machine Learning, and MLOps

EDUCATION

CampusX DSMP 2.0 | Data Science, ML, MLOps

Specializing in Python, machine learning, MLOps, and advanced data science techniques

Real-world projects: model deployment, data pipeline automation, statistical analysis

Govt. Bangla College

(August 2023 - Present)

Relevant Coursework: Mathematics, Physics, Computer Science Fundamentals
Self-Led Projects:

1. Built a regression model to predict exam scores using Python.
2. Designed a dashboard to visualize scientific data with Matplotlib.

Badda Alatunnessa High School

(January 2013 - April 2023)

Focused on academic excellence and active in extracurricular activities