

Md Biplob Raihan

]istiaqbiplob@gmail.com | +880 – 1701705073

Career

Objective

Aspiring **Machine Learning Engineer** specializing in **RAG Systems** and **Autonomous AI Agents**. Passionate about building intelligent, data-driven solutions that bridge theory and practice through deep learning and natural language processing.

Education

Bachelor of Science in Computer Science and Engineering (BSc in CSE)
Atish Dipankar University of Science and Technology
2023 - running

Technical

Skills

- **Machine Learning:** Scikit-learn, XGBoost, PyTorch, TensorFlow
- **Deep Learning:** Transformers, NLP, RAG Systems
- **Data Science:** Pandas, NumPy, Matplotlib
- **Core Strengths:** DSA, Model Optimization, Feature Engineering
- **Platforms & Tools:** Kaggle, GitHub, Streamlit, FastAPI

Projects

- **Neural Machine Translation** – Transformer-based multilingual translation model with attention mechanisms.
- **Titanic Survival Prediction** – Ensemble learning model for survival prediction using Kaggle dataset.
- **Misconception Detection System** – NLP model fine-tuned with BERT to detect student misunderstandings.
- **Autonomous AI Agent** – Multi-tool agent integrating RAG, search, and reasoning for complex task solving.

Experience

Kaggle Competitions Participant

- Engaged in multiple ML and NLP challenges.
- Focused on model accuracy, feature engineering, and leaderboard optimization.
- Developed reproducible pipelines and documented experiments.

Achievements

- Active contributor to Kaggle ML competitions.
- Built and published multiple AI projects demonstrating end-to-end system design.
- Recognized for consistent experimentation and model improvement.