

SHEIKH MD. SAMIUL

✉ sk.mohammad.samiul@gmail.com

☎ +8801534210858

📍 Ashkona, Dhaka-1231, Bangladesh

🌐 linkedin.com/in/sheikhsamiul07

🐙 github.com/sheikhmdsamiul



About Me

A recent Computer Science graduate with a strong foundation in AI/ML and data-driven solutions. Experienced in developing NLP-powered applications, predictive models, and full-stack solutions. Passionate about leveraging technology to solve complex problems. Seeking a software engineering entry-level role where I can contribute and grow my technical expertise.

Education

North South University, B.Sc. in Computer Science and Engineering

Graduated Dec 2024

Major in Artificial Intelligence

- **Coursework:** Artificial Intelligence, Software Engineering, Pattern Recognition, Machine Learning, Database Management System

Key Projects

Educational Content Enhancement Using LLMs

Python, Hugging Face, Groq API, LangChain, Streamlit

- Developed an AI-powered educational platform, featuring an advanced RAG system with re-ranker-based vector search and dynamic PDF content transformation leveraging LLMs via Groq API. Key features include Summa-Textrank highlighting, an interactive chatbot, and auto-generated quizzes with instant evaluation.

Offensive Language Classification using Deep learning

Python, Scikit-learn, TensorFlow/Keras, NLTK

- Engineered a toxic language classification system, using Logistic Regression as a base model and leveraging deep learning (LSTM with attention) for abusive text detection, achieving 80% accuracy through robust data preprocessing and imbalance handling on complex dataset.

Text Summarization System Using NLP

Python, PyTorch, Hugging Face Transformers, PyTorch Lightning

- Fine-tuned T5 (Text-to-Text Transfer Transformer) model for Summarization task and created a web app, implementing efficient pipelines for data preprocessing, model training, and evaluation.

Used Car Price Predictor using Machine learning

Python, Scikit-learn, NumPy, Streamlit

- Developed a web app predicting used car prices based on key features, achieving 95% accuracy through comprehensive exploratory data analysis, feature engineering, and model comparison.

Abrostudy

Flutter, JavaScript, PHP, MySQL

- Developed a cross-platform web and mobile app, for students for students to gather all the knowledge required regarding applying to universities abroad

Skills

- **Languages:** Python, Java, C/C++, SQL, Assembly
- **Frameworks:** PyTorch, TensorFlow, Hugging Face, Scikit-learn, LangChain
- **Data Tools:** Pandas, NumPy, Matplotlib, Seaborn
- **Web/Mobile:** HTML, CSS, JavaScript, Django, Flask, Streamlit, Flutter
- **Databases:** Firebase, MySQL
- **DevOps Tools:** Docker
- **Soft Skills:** Problem-solving, Teamwork, Adaptability, Time Management