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

- Developed an AI-powered educational tool integrating Llama 3.1 to modify PDFs based on learner type along with features like highlight key sentences using Summa-Textrank, conversational chatbot with a Retrieval-Augmented Generation (RAG) for interactive learning and understanding, generating quizzes with instant evaluation feature.
- Tools Used: Python, Hugging Face Transformers, Groq API, LangChain, Streamlit

Summarization and Question Answering Tool using NLP

- Built a web app for text summarization and question answering by fine-tuning T5 (Text-to-Text Transfer Transformer) models, implementing efficient pipelines for data preprocessing, model training, and evaluation.
- Tools Used: Python, Hugging Face, PyTorch, Flask

Car Price Predictor for Used Cars using Machine Learning

- Created a web app to predict used car prices based on key features. Achieved a 95% accuracy rate in predicting used car prices by conducting exploratory data analysis, feature engineering, and model comparison for optimal performance.
- Tools Used: Python, Scikit-learn, Pandas, Matplotlib, Seaborn, Streamlit

Abrostudy – Online Platform for University Applications

- Developed a cross-platform web and mobile application, for students to gather all the knowledge required regarding applying to universities abroad.
- Tools Used: Flutter, Bootstrap, CSS, JavaScript, PHP, MySQL

Skills

Languages: Python, Java, C, C++, Assembly, SQL

AI/Machine Learning Frameworks and Libraries: PyTorch, Hugging Face Transformers, Scikit-learn, Vision Models, Language Models

Data Visualization: Pandas, NumPy, Tableau, Matplotlib, Seaborn

Web and Mobile Development: HTML, CSS, JavaScript, Django, Flask, Streamlit and Flutter

Database Management: Firebase, MySQL

Version Control: Git and GitHub

Soft Skills: Problem-solving, Team Collaboration, Adaptability and flexibility, Ability to work under pressure