Soumen Sarker

Dhaka, Bangladesh

Mail   LinkedIn   GitHub   website, *Kaggle*

CAREER OBJECTIVE

Dedicated to finding solutions to problems, passionate about Artificial Intelligence, software engineering, machine learning, and data science. Working in a collaborative setting with experts in my areas of interest will help me advance my professional career.

EXPERIENCE

- Working with research teams in the domain of Machine Visions, Natural Language Processing, and Time Series Forecasting.
- Data Science, Machine Learning, and Deep Learning (NLP, Computer Vision) projects
- Kaggle Competitions
- Problem-Solving, OOP

EDUCATION

- **Islamic University, Kushtia, Bangladesh** *B.Sc. in ICT*
  CGPA: 3.52 out of 4.0 *March 2016 – September 2021*
- **Govt. Azizul Haque College, Bogura:5800** *HSC, Science group*

PUBLICATIONS & PROJECTS

Publication:
Title: WhyMyFace: A Novel Approach to Recognize Facial Expressions Using CNN and Data Augmentations
Conference Paper

Projects:
🏆 Chatbot and OCR(images/pdfs)/tesseract base text summarization using t5-base and mt5-multilingual csebuetnlp model for bangla and english languages.

🏆 Real-time Credit Card fraud detection using Vertex AI, AutoML, BigQuery, Pub/Sub, Dataflow on GCP.

🏆 End to End Data Ingestion, Transformation, Feature Engineering and Model training, Evaluation with Dagshub, MLflow, and CICD Deployment using GitHub Action on AWS EC2 instance.

🏆 Dedicated expert system/conversate with multiple domain-specific pdfs using replica API llma2, langchain, FAISS vector database deployed on streamlit cloud.

🏆 Unstructured data analytics with BigQuery ML and Vertex AI pre-trained models. Vision API to extract texts from movie posters, Translation API to translate into English, and NLP API to

sentiment analysis of movie reviews.

🏆 Built and deployed a time series Anomaly Detection Tool using pycaret.

🏆 Image Captioning using huggingface API and streamlit.

COURSES & CERTIFICATES

- Natural Language Processing with Sequence Models-Coursera
- Natural Language Modeling with Classification and Vector Space-Coursera
- Deep Learning Specialization – *Coursera*
- DeepLearning.AI TensorFlow Developer -Coursera
- Machine Learning – *Coursera*
- Algorithms on Graphs coursera
- Algorithmic Toolbox by UCSanDiegO-Coursera