

# Soumen Sarker

Dhaka, Bangladesh



Digital Resume



LinkedIn



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GitHub

## CAREER OBJECTIVE

I am dedicated to learning and building my professional career as a machine learning engineer. Have had sophisticated knowledge and experience in Computer Vision, Software Engineering Software Testing, Git, and Version control. Working in a collaborative setting with experts will help me develop and advance my professional career.

## EXPERIENCE

- Intern Software Engineer  
W3 Engineers Ltd.
- Machine Vision Researcher  
[Paper Link](#)

## EDUCATION

- B.Sc. in ICT from Islamic University, Kushtia, Bangladesh  
CGPA: 3.52
- Govt. Azizul Haque College, Bogura  
GPA:5.00

## Projects:

- Written several services and microservices in Travelai's ETL pipeline by reading from api's, data extraction from json files, transform and load to store into postgres database's table. Tools/Tech: Cron, Python, SQLAlchemy ORM(INSERT, BULK UPDATE, e.t.c), OOP, RegEX, Postgres, S3.
- Write SQL query in Apache Superset's SQL lab to grab analytics from connected database, execute as a cron to get several combinational time series data to mail into dedicated server, write flask services to read data from mail server, match/analytics with api data and notify in dedicated team's channel.
- Write unit test using pytest, unittest for services in superset/web automation

project written on flask.

- Real-Time web scraping using selenium stores data into postgres, apache superset integration and visualization dashboard.
- Real-time Q&A system using Llamaindex to analyze and Visualize on the scraped data.
- Real-time Credit Card fraud detection using Vertex AI, AutoML, BigQuery, Pub/Sub, Feature Store and Dataflow on GCP.
- 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.
- Building a Retail Demand Forecasting Model with Dashboard in BigQueryML and DataStudio.

## **COURSES & CERTIFICATES**

- Deployment of Machine Learning Models -udemy
- Browser based models with Tensorflow.js -coursera
- Complete Responsive Web Development -udemy
- Deep Learning Specialization -deeplearning.ai
- DeepLearning.AI TensorFlow Developer - coursera
- Machine Learning – *coursera*
- Algorithms on Graphs -coursera
- Algorithmic Toolbox by UCSanDiego -coursera

Solved: 500+ problems using c, c++, Python on locally and codeforces.

Reference:

Shibazi Biswas, Senior Machine Learning Engineer, Cefalo BD.

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