





Profiles

 [Shahriar Soudeep](#)

 [soudeep-cse](#)

Skills

Python
Advanced
◆◆◆◆◆

Machine Learning
Advanced
◆◆◆◆◆
Supervised, Unsupervised, Recommender Systems, Reinforcement

Data Analysis
Advanced
◆◆◆◆◆

Data Visualization
Advanced
◆◆◆◆◆
Matplotlib, Seaborn

Statistics
Intermediate
◆◆◆◆◆
Descriptive, Inferential

Natural Language Processing
Intermediate
◆◆◆◆◆

Deep Learning
Intermediate
◆◆◆◆◆
Image data processing

MLOps
Intermediate
◆◆◆◆◆
Public ML Web App on Heroku, Deploy ML model as API, Deploy ML model as API using Ngrok

R
Intermediate
◆◆◆◆◆

SQL
Intermediate
◆◆◆◆◆

C++
Intermediate
◆◆◆◆◆

PHP
Intermediate
◆◆◆◆◆

Interests

Machine Learning

Data Science

Artificial Intelligence

Computer Vision

Soft Skills

Communication

Problem Solver

Quick Learning

Hard Worker

Team-work

Languages

English
Fluent
◆◆◆◆◆

Bangla
Native
◆◆◆◆◆

Shahriar Soudeep

Machine Learning Engineer | Data Scientist

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Summary


I am a B.Sc. in CSE graduate from the American International University of Bangladesh (completed in 2024) and currently seeking a job as a Machine Learning Engineer or Data Scientist. I have experience in working on 4-5 Machine Learning projects, including Natural Language Processing, Sentiment Analysis, and Fake News Detection. Recently, I done my internship from Advanced Machine Intelligence Research Lab (AMIRL), Dhaka (February to June 2024).

Experience

Advanced Machine Intelligence Research Lab **2024-01-01 - 2024-05-18**
(AMIRL) Dhaka
Research Assistant Intern
 <https://amirl.org/>

I have contributed to a review paper titled "Enhancing Road Traffic Flow in Sustainable Cities through Transformer Models: Advancements and Challenges," which is prepared for submission to Science Direct. This paper critically examines the role of Transformer models in improving urban traffic management, highlighting both their advancements and the challenges they pose.


Education

American International University of Bangladesh **2020-05-17 - 2024-05-27**
Computer Science Bachelor
CGPA: 3.79
 <https://www.aiub.edu/>

Sreepur Muktijoddha Rahmat Ali Govt. College A-Levels
SCIENCE


Al-Haj-Nowab-Ali-Adarsha-High-School O-Levels
SCIENCE

Projects


Sentiment Analysis in Fake News Detection: Leveraging NLP and ML Algorithms
Thesis paper
 https://github.com/soudeep-cse/Machine_Learning_Project/tree/main/FakeNews-Detection


- This project, based on an implementation-focused paper, aims to detect fake news by analyzing sentiment. By examining the sentiment of news articles, we can gain insights into how misinformation is crafted and why it successfully deceives people. Understanding these patterns helps us better identify and combat the spread of fake news in today's information landscape. Remarkably, our machine learning approach achieved nearly 99% accuracy in this project.

NLP, Ensamble Model, Hyperparameter Tuning

Wine-quality testing
 https://github.com/soudeep-cse/Machine_Learning_Project/tree/main/Wine-Quality%20testing


- This project aims to analyze factors that influence the quality of wine. The dataset includes objective tests (e.g. pH, alcohol content) and sensory data (e.g. aroma, taste) for red variants of the Portuguese "Vinho Verde" wine. The goal is to build a model that can predict wine quality based on the available features.

Wedding management System
This project, developed solely using Python, was my course project.
 <https://github.com/soudeep-cse/Python-MidTerm>

Travel Agency Management
This project, developed solely using Database, was my course project.
 <https://github.com/soudeep-cse/Database-Project>

Credit-Transfer
 https://github.com/soudeep-cse/Machine_Learning_Project/blob/main/Credit_Transfer.ipynb

Certifications

Data Scientist Bootcamp Job Ready Program **February 2023**
Grad Bunker Akaademy
 <https://github.com/soudeep-cse/DataScientist-Certificate>

Full Stack Web Development **July 2022**
Shikhbe Shobai

References

Dr. Mohammad Firoz Mridha
Founder & Research Director

I am writing to let you know that Soudeep has made the most outstanding contributions and is interested in learning and exploring new research domains with professional skills as a Research Intern Student at AMIRL. He showed remarkable dedication, passion, and scholarly acumen in academic research.