



Kanis Fatema

AI / ML Enthusiast

Career Objectives

As a graduate student of BSc(Engr.) major in 'Computer Science and Engineering ' from a public university, I want to make challenging life through a creative and competitive environment. My expertise area is in Machine Learning, NLP, Data Science, and Data Analyst. Have good skills in Tensorflow, NumPy, Pandas, OpenCV, sci-kit learn, and other associated libraries. Seeking a challenging position in a reputed organization where I can learn new skills, expand my knowledge, and leverage my learnings.

Experience

2/2022 - 4/2022
Shadhin Lab LLC

Machine Learning Intern

In the internship program, I revised the concepts of ML. Worked on Resume ranking using NLP. During this period, I have to work 8 hours a day according to company policy and reported the daily work to the team leader. Besides I worked on data crawling part of the Company's running project

Published Paper

IEEE NETWORK (IF_10.693)
DOI: 10.1109/mnet.011.2000713

B5G-Enabled Distributed Artificial Intelligence on Edges for COVID-19 Pandemic Outbreak Prediction

With the features provided by B5G, our aim is to achieve higher accuracy in prediction by fusing multiple AI methods and leveraging the B5G communication architecture. We propose a distributed architecture for training AI methods on edge devices, with the results of edge-trained models then propagated to a central cloud AI method, which then combines all the received edge-trained models into a global and final prediction model. [<https://github.com/Kanis-Fatema-Shanta/Covid-19-Outbreak-Prediction>]

Projects

Bangla Handwritten Digit Recognition

This project proposes a CNN based Bangla handwritten digits recognition scheme. I used CNN model which is popular in deep learning. The proposed method works to detect Bangla handwritten digits. Here, I implement a method proposed by MathNet and do some criticism and beat the result of targeted paper. The model achieves 99.61% training accuracy and 98.09% validation accuracy and the test accuracy of the proposed model is achieved 98.63% .Whereas MathNet acquired 96.01% accuracy. [https://github.com/Kanis-Fatema-Shanta/BanglaNet_Handwritten-Digit-Recognition]

Voice Controlled Chatbot

The process of an online chat system would follow a client server approach which acquires the signal and streams it to a server. The input voice is then processed and a response is generated. This process places a large processing requirement on the server's processor and memory resources. This limitation is even more evident when a large number [<https://github.com/Kanis-Fatema-Shanta/Voice-Controlled-Intelligence-Chatbot>]

Disaster Response

This is NASA Space Apps Challenge 2021 JKKNUI_Tech_Hub team Project. Our goal is to be aware of risks of natural disasters and respond to them fast and efficiently and to help the people who help others , enabling volunteers to respond fast and efficiently to nearby crisis , Specially during disasters.

Websitelink: <https://rubayamim381.github.io/Disaster-Response/>.
[<https://github.com/rubayamim381/Disaster-Response>]

Education

2021 - 2022
MSc(Engr.) (Running)

Jatiya Kabi Kazi Nazrul Islam University
Computer Science and Engineering

2017 - 2020
BSc(Engr.)

Jatiya Kabi Kazi Nazrul Islam University
Computer Science and Engineering
CGPA : 3.51 out of 4

HSC 2016

Muslim Girls School and College , Mymensingh
GPA : 5.00 out of 5 (Group of Science)

SSC 2014

Pankata Islamia High School
GPA : 5.00 out of 5 (Group of Science)

References

Prof. Dr. A.H.M. Kamal
Professor
Dept. of CSE, JKKNUI
Email : ahmctg@yahoo.com
Phone: 01732226402

Prof. Dr. Mst Jannatul Ferdous
Professor
Dept. of CSE, JKKNUI
Email : mjannatul@gmail.com
Phone: 01710695925

CONTACT ME

Trishal, Mymensingh, 2224
+8801987934996
kanisfatemashanta.cse@gmail.com
<https://www.linkedin.com/in/kanisfatemasanta8/>
<https://github.com/Kanis-Fatema-Shanta>
<https://kanis-fatemashanta.github.io>

Achievements

NASA Space Apps Challenges

- Champion -2019 (Regional -Bangladesh)
- Runner-up -2021 (Regional -Bangladesh)

University Scholarships every-year

Extra-Curricular Activities

- Research Ambassador at JKKNUI Research Society
- Team Leader , JKKNUI Tech Hub
- Convener of BASIS Students' Forum

PRO SKILLS

Machine Learning

Data Analyst

Data Science

NLP

Competitive Programming

Language

English