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.

CONTACT ME

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in https://www.linkedin.com/in/kanisfatemashanta8/

 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)**

Honorable Mention at NGPC-2019
Honorable Mention at NGPC-2021
University Scholarships every-year

Extra-Curricular Activities

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

PRO SKILLS

Machine Learning

Data Analyst

Data Science

NLP

Competitive Programming

Language

English

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 JKKNIU_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
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Prof. Dr. Mst Jannatul Ferdous
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