

Md. Jafril Alam

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RESEARCH DOMAIN **Multimodal AI, Generative AI, Machine Learning, Deep Learning, Computer Vision, Natural Linguistic and Signal Processing**

EDUCATION **Khulna University of Engineering & Technology**, Khulna-9203 , Bangladesh
Computer Science and Engineering
January , 2018 - March , 2023(expected)
Current CGPA : 2.89
On going thesis : Gastrointestinal tract image segmentation for proper radiation therapy of cancer patients

THERORITICAL KNOWLEDGE **Algorithm Analysis, Data Structure, Computational Thinking, Mathematics for Engineers, Statistics and Probability, DBMS, Agile Methodology, Deep Learning, Machine Learning, Pattern Recognition, Digital Literacy and Physics**

TECHNICAL SKILLS **Programming Language:**
Excellent knowledge in C++, Python, Javascript
Basic knowledge in Scala

Development and Cloud:
Language : HTML, CSS
Framework : React, Node JS, Bootstrap and Tailwind CSS
API : Rest API
Others : Deployment in Cloud

AI and Big Data:
ML and DL framework : Keras, Pytorch and intermediate Tensorflow
Computer Vision Framework: intermediate knowledge in openCV
Big Data : Basic knowledge in Hadoop
Data Analysis : Excel, Tableau and intermediate powerBI
Others : Pandas, Numpy, Seaborn, Scipy, Matplotlib, Scikit Learn, Autonomous Brain Design

Database and Query:
Database : Oracle, MySQL and NoSQL
Query Language: SQL and postgresSQL

Others Skills:
AI literate, Data Storytelling, Functionalities of OS, Version control using Git, Linux Command, Bash Script

PUBLICATIONS **1. "Automated Gastrointestinal Tract Image Segmentation Of Cancer Patient Using LeVit-UNet To Automate Radiotherapy "** has been accepted in

3rd International Conference on Electrical, Computer and Communication Engineering (ECCE) on February 2023 in CUET, Bangladesh to publish in IEEE Xplore
Paper Id : 367
My Contribution : Main Author and lead researcher

2. "A Deep Neural Network based model to forecast Geomagnetic Storm and observe the effects of various activation functions on the model" has been accepted in ICRPSET-2022 , University of Rajshahi to publish in IEEE Xplore
Paper Id : 107
My Contribution : Main Author and lead researcher

3. "Forecasting Underground Water Levels: LSTM Based Model Outperforms GRU and Decision Tree Based Models" has been accepted in IEEE WIECON ECE 2022, IIIT-NR to publish in IEEE Xplore
Paper Id : 137
My Contribution : Main Author and lead researcher

PROJECT

1. EasyBus was C++ console application which was a project of OOP course.
Feature of the project : Online ticket booking , cancellation and payment
Technology : C++

2. k-MediHelp was a web application which was a project of CSE 3000 : System Project course . The main purpose of the app was provide medical services remotely .
Features : Log In, Registration, Authentication, Patients and Doctor Database, Chatting, Patient Monitoring
Technologies : React JS, Node JS, MySQL and API

3. simplShop was a project which was implemented focusing on Oracle Database and SQL query operations.
Technologies : Oracle and SQL

4. SK Voice Assitant was a project based on deep learning . The voice assistant able to do different task using speech recognition.
Technologies : Python, Deep Learning

More projects related to development and deep learning are being developed my me and are not listed here . I already started working for open source contributions.

ACHIVEMENT AND CERTIFICATION

1. Kaggle Dataset and Notebook Expert
Best Notebook Rank : 1831th among 255,184 peoples
Best Dataset Rank : 274th among 79,232 peoples

2. "AI Literate" skill certification has been provided by workera.ai
Completed Assesments : 4
Cercitate Link : <https://app.workera.ai/public/candidate/certificate?code=WGG0F19E>

3. Placed among top 15% (237th) in "Tabular Playground Series - Jan 2022"competition which was hosted by kaggle
Leaderboard Link : <https://www.kaggle.com/competitions/tabular-playground-series-jan-2022/leaderboard>

4. Placed among top 14% (392th) in "Ubiquant Market Prediction"competition which was hosted by kaggle

Leaderboard Link : <https://www.kaggle.com/competitions/ubiquant-market-prediction/leaderboard>

5. Placed among top 20% (683th) in "PetFinder.my - Pawpularity Contest" competition which was hosted by kaggle

Leaderboard Link : <https://www.kaggle.com/competitions/petfinder-pawpularity-score>

6. Obtained board scholarship in JSC and HSC(2017) examination

7. Placed among top 20 in Bangladesh Chemistry Olympiad (Cumilla Region) and selected for final chemistry olympiad

MAJOR ONLINE COURSES

1. Machine Learning Specialization by deeplearning.ai and Stanford University at Coursera

Certificate : <https://coursera.org/share/1289a065c5a3437a2c6afa0358cd460d>

2. AI for Everyone by deeplearning.ai at Coursera

Certificate : <https://coursera.org/share/3620609d88e7b22fa2a01015dc789e57>

3. Applied Data Science with Python - Level 2 by IBM

Certificate : <https://www.credly.com/badges/a66985ae-d2bd-472f-9fad-b8fa3b84f7aa>

4. Understanding Data Topics by DataCamp

Certificate : <https://www.datacamp.com/statement-of-accomplishment/track/12565d9b9309a9f88644d96b8cf0100d04cf4c80>

5. Introduction to Deep Learning Neural Networks with Keras by IBM at Coursera

Certificate : <https://coursera.org/share/fa828a24ff9993aac09dbd207ee02c2f>

REFERENCES

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