



Md. Jafril Alam
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SUMMARY

A fresh graduate but highly passionate, skilled, and has a strong research background in machine learning, deep learning, data science, and web development who is looking for opportunities for a data scientist, data analyst, ML Engineer, AI engineer, AI researcher, Research Assistant, and software development role. I am an independent researcher of deep learning & learning paradigms, computer vision, and multimodal AI. I reconstructed myself after failures and like to take challenges and tackle those challenges by learning and doing.

EDUCATION

- **Khulna University of Engineering & Technology** *April, 2023*
B.Sc. in Computer Science and Engineering Khulna, Bangladesh
- **Adhyapak Abdul Mazid College** *2015 – 2017*
HSC Cumilla, Bangladesh

EXPERIENCES

- **Bista Solution Inc.** *July, 2023*
Trainee Machine Learning Engineer Dhaka, Bangladesh

SKILLS

Programming	C++, Python, JavaScript
Development	ReactJS, NodeJS, HTML, CSS, Bootstrap, Tailwind CSS, REST API
Data Science	Pandas, Numpy, Matplotlib, Seaborn, Excel, Scipy, Statsmodels
AI and vision	Keras, Pytorch, Scikit-learn, OpenCV, LangChain
Database and Query	NoSQL, PostgreSQL, SQL, MySQL
Soft Skills	Communication, Leadership, Adaptability, Teamwork and Strong Ethics
Others	Git, Hugging Face

PROJECTS

1. **Market Analysis** - an end-to-end data science project was completed from a real-world perspective
Technologies: Pandas, Matplotlib, Excel, SQL, Web development, etc
2. **k-MediHelp** - a web application that was a project of the CSE 3000: System Project course. The main purpose of the app was to provide medical services remotely.
Features: Login, Registration, Authentication, Patients and Doctor Database, Chatting, Patient Monitoring
Technologies: React JS, Node JS, MySQL, and API
3. **SimplShop** - a project which was implemented focusing on Oracle Database and SQL query operations.
5. **Attention Mechanism in Covid Detection** - a project based on deep learning to detect Covid-19.
Technologies: Keras, Tensorflow
5. **Daily Assistant** - an application based on large language models(LLMs).
Technologies: Python

I am developing more projects related to development and deep learning which are not listed here and I already started working on open-source contributions.

PUBLICATIONS AND UNDER REVIEW

1. **Automated Gastrointestinal Tract Image Segmentation Of Cancer Patient Using LeVit-UNet To Automate Radiotherapy** has been published in IEEE Xplore [URL : <https://ieeexplore.ieee.org/document/10101574>]
2. **Forecasting Underground Water Levels: LSTM Based Model Outperforms GRU and Decision Tree Based Models** has been published in IEEE Xplore [URL : <https://ieeexplore.ieee.org/document/10151230>]
3. **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.
4. **Rethinking Deep Neural Network's Failure and Success of Traditional ML** is under review.
5. **DeepRegYLab: A Dilated Convolution and Network Design Space-Based Image Segmentation Model** is under review.

ACHIEVEMENT AND CERTIFICATION

1. **AWS AI & ML Scholarship** from Amazon Web Services(AWS)
2. **AI Literate** skill certification has been provided by workera.ai
3. **Placed among top 14% in Ubiquant Market Prediction** Kaggle competition
4. **Kaggle Dataset and Notebook Expert**
Best Notebook Rank : 1831th among 255,184 peoples
Best Dataset Rank: 274th among 79,232 peoples

MAJOR ONLINE COURSES

1. **Applied Data Science with Python - Level 2** by IBM
2. **AI Engineering** by IBM at Coursera
3. **Machine Learning Specialization** by deeplearning.ai and Stanford University at Coursera
4. **Deep Learning Specialization** by deeplearning.ai at Coursera
5. **Mathematics for Machine Learning and Data Science Specialization** by deeplearning.ai

REFERENCES

1. Jakaria Rabbi

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2. Dr. Pintu Chandra Shill

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