Faisal Hossain
Software Engineer

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🪪 PROFILE

Software Engineer having experience in AWS services, Machine Learning & Web Development. Have a positive outlook, great teamwork abilities, and cooperative tendencies. I can pick things up quickly and have a variety of IT experiences.

💼 PROFESSIONAL EXPERIENCE

Software Engineer I   08/2022 – present
Craftsmen Limited ↗   Dhaka, Bangladesh

- Utilizing AWS technologies such as *Lambda, S3, SQS, SNS, DynamoDB, API Gateway, ECS, ECR, CodePipeline, Step Functions.*
- Using the *Serverless Framework* to construct and configure AWS Lambda.
- Managing the Infrastructure as Code software tool *Terraform*, to sustain different cloud architecture.
- Creating front-end solutions with Emotion-styled components using *React*.

🧠 SKILLS

Programming Languages:
Python, C++, C, Java, PHP, JavaScript, MySQL, HTML , CSS

Frameworks and Libraries:
PyTorch , Tensorflow, Heroku, Laravel, Django, React, Emotion-JS

Cloud Services & Frameworks:
Lambda,S3, SQS, SNS, DynamoDB, API Gateway, Serverless Framework, Terraform

Version Control:
Git, Github, Bitbucket

📁 PROJECTS

Machine Learning Research
- Bangla Hate Speech Detection in Videos Using ML. Manually annotating 300 YouTube videos of Bangla text, preprocessing and extracting features with NLP techniques experimented on different conventional machine learning and deep learning models. Conference Paper link ↗
- Bangla Food Review Sentimental Analysis Using Deep Learning techniques Collected raw data from food websites, using NLP techniques pre-processed and extracted features like Vectorizer, Glove, word to sequence for feeding LSTM, RNN models. Conference Paper link ↗
- Worked on Bangla Audio Sentiment Classifier using MFCC and MFCC delta features with pre-trained model employing transfer learning, CNN, cross dataset evaluation with RAVDESS dataset.
- Researched Bangla Sign Language (Image data for classifying in real time using CNN and exploring GAN implementation for generating more image datasets for BSL.

Web Development ↗

Eggzam Room

Built an exam platform using Django framework using SQLite HTML CSS Bootstrap JavaScript and AJAX.Teachers can set courses, exams, and MCQ questions, and students can join courses and attend exams. Heroku link ↗

🗂 CERTIFICATES

Neural Networks and Deep Learning ↗

Coursera - DeepLearning.AI

Google Cloud Big Data and ML Fundamentals ↗

Coursera - Google Cloud

Digital Transformation with Google Cloud ↗

Coursera - Google Cloud

Merit Based Scholarship Award

North South University - 2018

Programming with C++ & Java

BITM Course

🎓 EDUCATION

North South University   2018 – 2022
BSC in CSE   Dhaka, Bangladesh
CGPA - 3.77

Notre Dame College   2015 – 2017
HSC   Dhaka, Bangladesh
GPA - 5.00

Motijheel Model High School   2013 – 2015
SSC   Dhaka, Bangladesh
GPA - 5.00