

Md Rezowan Talukder

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EXPERIENCE

Software Developer (Remote) 01/01/2021 – 31/02/2021

Auctifer, United Kingdom

Worked there on a completely serverless application based on microservice architecture using Amazon's various cloud services.

Technologies I have used:

- Amazon Cloud Services
 - ✓ AWS Amplify Framework
 - ✓ AWS Lambda, DynamoDB, API Gateway
 - ✓ AWS Transcribe
- Frontend Technologies
 - ✓ React

Software Engineer R&D 01/01/2020 – 31/12/2020

Genuity Systems Ltd, Dhaka

Technologies I have used:

- Automatic Speech Recognition (Bangla)
 - ✓ Kaldi (Open Source Engine)
 - ✓ CMUSphinx (Language Modeling)
 - ✓ Audio Trimming (PyDub, sox)
- Intelligent Bangla Conversational Chatbot
 - ✓ Intent Classification from Bangla Sentences(DNN+Bank dataset)
 - ✓ NLTK, BNLTK, avroPhonetic, bnbphoneticparserType
 - ✓ BERT Bangla(Intent Classification)
 - ✓ LIME for retrieving a feature impact on a model
- Text To Speech (TTS)
 - ✓ Tacotron 2 (with call center audio data, almost 500 hours)
- Chatbot Backend
 - ✓ Node Express app
 - ✓ Sqlite Database

ACADEMIC PROJECTS

Institute of Information Technology 01/01/2018 – 31/12/2019

University of Dhaka

Projects I have completed:

- Estimating the probability of Pneumonia from chest x-ray
 - ✓ RESNET-50 is used to get best accuracy
 - ✓ Accuracy is almost 82%
- 4 Connect and Gomoku Game

These two Artificially Intelligent games are build using different algorithms like min-max, alpha-beta pruning.
- rez1- A file Compression tool

This is a Desktop application to compress file using four well known algorithm, Huffman coding, Run Length Encoding, RSA and LZW

SKILLS

languages and Frameworks: C, C++, Python, Java, JavaScript, Express (Node JS), Django, REST API,

Concepts: Data Structure and Algorithm, OOP, Design Pattern and Refactoring, Software Design and Analysis, Software Testing, Machine Learning, Open Source, Automatic Speech Recognition.

Problems Solved: Codeforces (130), UVA (50), LightOJ (10), VJudge (42) etc.

ACHIEVEMENTS

1) **Top Three** in **BRACATHON**, a nationwide Hackathon arranged by BRAC and Grameenphone

2) **First Runners Up** in '**Independence Cup-2018**', a competitive programming contest.

3) **First Runners Up** in '**Independence Cup-2019**', a competitive programming contest

EDUCATION

Bachelor of Science in Software Engineering

University of Dhaka

2017- 2020

CGPA 3.60 (At a scale of 4)

Higher Secondary Certificate

Notre Dame College, Dhaka

2014-2016

REFERENCES

Md Mahbulul Alam Joarder

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