Md Rezowan Talukder

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EXPERIENCE

Junior Software Engineer, e-Gov Dept.　　13/04/2021 – running
Reve Systems, Dhaka
Working here in 'BNLP team' to build some artificially intelligent Bangla spell checker services which will help our people to work with Bangla more fluently and accurately.

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 Transcribe
  - ✓ AWS Lambda, DynamoDB, API Gateway
- 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
- Chatbot Backend
  - ✓ Node Express app

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 Gomuku 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, JavaScript, React, Express (Node JS), Django, REST API, jQuery.

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

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