ARJON DAS

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EDUCATION

Chittagong University of Engineering and Technology (CUET)   *Mar 2014 - Dec 2018*
Bachelor of Science in Computer Science and Engineering
Department of Computer Science and Engineering

CARRIER OBJECTIVE

Witness and involve in the next big thing in Information and Technology, while having fun solving thought-provoking problems.

WORK EXPERIENCE

Bibidho, Chittagong   *Dec 2018 - June 2020*
Full Stack Software Engineer

· Added administrative access control system for better administration management.
· Designed extensive user data logging system which enabled the company to track and visualize consumer level habits and provided sophisticated and strategic decision making ability for the upper management.
· Created Content Management System for managing homepage.
· Responsible for converting the whole static website into dynamic React web app.

Bangladesh Telecommunication Company Ltd., Chittagong   *Nov 2017 - Dec 2017*
Networking Engineer Intern

· Monitoring network configurations and troubleshooting connectivity issues at BTCL POP Exchange.

TECHNICAL SKILLS

Problem Solving & Scripting	C, C++, Javascript, Python, Terminal, Basic Shell Scripting
Machine Learning Tools	PyTorch, TensorFlow, Keras, NumPy, Pandas
Full Stack Development	MongoDB, Express.js, React.js, Node.js (MERN stack)
Mobile App Development	Swift(iOS), Unity3D

PROJECTS

Simple Sentiment
Simple Sentiment is a DistilBERT based classifier that can recognize positive and negative vibes from sentences. The model is trained on 1.6M Sentiment140 Twitter Dataset.

Simple MANN (using LSTM)
Simple MANN is a meta-learning implementation for Few-Shot Learning, using LSTM instead of NTM for memory unit. The model is evaluated on the Omniglot Dataset.

COVID-19 Identification from Chest X-Ray
ResNet-18 based classifier which has been finetuned on the Chest X-Rays from COVID-19 Radiography Database and it can differentiate Normal Condition, Viral Pneumonia and COVID-19 patients chest X-Ray.

Stock Scraper
Stock Scraper is a tweet scraping server that counts number of times any stock has been tweeted by targeted users at Stocktwits and visualizes the data. This project is a excellent groundwork for analyzing and extracting values from social investment platforms.

Hateful Meme Detection
Entry for the Facebook Hateful Meme Detection Challenge. Used VisualBERT model to train on the hateful meme dataset, scored 0.7214 AUC-ROC without ensemble and task specific pretraining.

IoT Based Smart Food Monitoring System (CUET)
The project facilitates food monitoring of refrigerators and food cold storage systems using mobile devices, with high scalability. The system is developed using Raspberry Pi device and transformed into a small form factor IoT device. It is implemented using Python, Swift, Node.js.

Online Job Market (CUET)
The project is a single page web app for searching and posting jobs online. The browser based app's front end is implemented using Javascript, React.js and server intergration using REST API.

Car Rental System (CUET)
It is a database project for renting cars in a particular area, facilitating CRUD functions to the end-user. The project is implemented using PHP, HTML, CSS, MySQL, Javascript.

Direct 2D
Direct 2D is a self initiated game development project. The game was implemented using Swift with basic physics written from scratch. The app was available on Apple App Store from July 2017 to July 2018 with over 2.6K downloads.

ADDITIONAL

- Amateur Observational Astronomer.
- Exhibited various astronomical events as a member of Bangladesh Astronomical Association, most notably the last Total Solar Eclipse from Bangladesh in this century and regions last Annular Solar Eclipse in fifty years.
- Board Scholarship: Government Merit Scholarship for Excellent Academic Results in Secondary Levels