



MD. REZWANUL HAQUE

CAREER OBJECTIVES

An enthusiastic and fast-learning individual seeking an opportunity to work with vision, mission, and values in the area of Web Based System, Database Systems, and Data Analysis utilizing analytical and methodological skills to help the company.

ADDRESS

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TECHNICAL SKILLS

Languages:

- C/C++
- Java
- Python
- C#
- Matlab
- R

Web Based:

- Django
- PHP
- JavaScript
- HTML
- CSS

Database and Server:

- MySQL
- SQL Server
- NoSQL (Cloud Firestore)

EDUCATION

B.Sc. – Computer Science and Engineering (2015 - 2019)

Khulna University of Engineering & Technology (KUET)

HSC – Science (2014)

Rajshahi Govt. City College, Rajshahi

SSC – Science (2012)

Balahar B.L. High School, Dinajpur

WORK EXPERIENCE

Major Projects:

1. Image Captioning Project

- **Details:** In this project, I define and train an image-to-caption model, that can produce descriptions for real-world images.
- **Technology:** CNN encoder with InceptionV3 model, RNN decoder with LSTM.
- **Language:** Python
- **IDE:** Jupyter Notebook

2. Finding Lane Lines on the Road

- **Details:** It is based on the detection of lane lines in images using Python and OpenCV. OpenCV, which is a package that has many useful tools for analyzing images.
- **Technology:** Image Processing, OpenCV
- **Language:** Python
- **IDE:** Jupyter Notebook

3. Traffic Sign Classification

- **Details:** Detecting and Classifying Traffic signs with CNN for German Dataset.
- **Technology:** CNN, OpenCV
- **Language:** Python
- **IDE:** Jupyter Notebook

4. Pothole Detection

- **Details:** It is based on Image Processing basic filtering. Some filter applied for detection pothole.
- **Technology:** Image Processing, OpenCV
- **Language:** Python
- **IDE:** Jupyter Notebook

5. Deep Neural Network for Image Classification Cat vs Non-Cat

- **Details:** It is on Cat Classification Project with Deep Neural Network.
- **Technology:** Deep Learning
- **Language:** Python
- **IDE:** Jupyter Notebook

Version and Source Control:

- Git
- Bitbucket

IDE:

- Android Studio
- Anaconda
- Visual Studio
- Sublime Text
- PyCharm
- CodeBlocks
- Eclipse

Operating System:

- Windows
- Linux
- iMac

6. Online Voting System using PHP and MySQL

- **Details:** In "ONLINE VOTING SYSTEM" a voter can use his/her voting right online without any difficulty. He / She has to be registered first for him/her to vote. Registration is mainly done by the system administrator for security reasons. The system Administrator registers the voters on a special site of the system visited by him only by simply filling a registration form to register voters. After registration, the voter is assigned a secret Voter ID with which he/she can use to log into the system and enjoy services provided by the system such as voting. If invalid/wrong details are submitted, then the citizen is not registered to vote.
- **Technology:** PHP, MySQL, HTML, JavaScript

7. the Math App

- **Details:** This is an Android Project. There will be three Level's Mathematical Problems. Users can solve them and this App will offer an Award according to Users Performance. There is a Forum option, users can share their opinion and mathematical ideas about the app through Email.
- **Technology:** Java, Android Studio

Thesis:

❖ A Study on Non-Invasive Hemoglobin Measurement Techniques.

- **Description:** This research is based on a non-invasive way to measure the hemoglobin level. We took about 10 seconds video for each subject from body organs like an index finger by different Led-Board. We applied image processing techniques for features extraction. For best features selection, we used genetic algorithm. Finally, we applied different machine learning techniques on selected features to predict the hemoglobin level.
- **Technology:** Image Processing, Genetic Algorithm, Machine Learning.
- **Language:** Python.
- **IDE:** Spyder.