

MD NASIRUL HAQUE | CV

294 West Shewrapara, Mirpur – Dhaka, Bangladesh

☎ +880 1557041299 • ✉ mdnasirul.haque@yahoo.com
🌐 dpridoy.github.io/

Research Interests

Internet of Things, Machine Learning, Deep Learning, Reinforcement Learning, Data Mining, Human Computer Interaction.

Education

B.Sc in Computer Science & Engineering
American International University-Bangladesh
CGPA : 3.73/4.00

2013 - 2017
Dhaka, Bangladesh

Work Experience

IoT Programmer
Datasoft Manufacturing & Assembly Inc. limited, Dhaka 1207
Role: IoT Solution Development, Android Applications Development.

Jul 2018 - Present

IoT Trainee
Datasoft Systems Bangladesh limited, Dhaka 1207
On Job training under LICT and Datasoft Bangladesh for Internet Of Things.

Oct 2017 - Feb 2018

Teaching Assistant
American International University-Bangladesh, Dhaka

Oct 2016 - Dec 2016

Worked as a lab assistant of Assistant Professor on Java Programming Language.

Technical Skills

- **Programming Languages:** Python, Java, C++.
- **ML, DL & Data-Analysis:** Scikit learn, Tensorflow, Weka, Pandas.
- **Platforms/ Framework:** Android, Flutter.
- **Database:** MySQL, Oracle, MongoDB, Firebase
- **Others:** Socket Programming(TCP,UDP), Serial Communication(RS232, RS485) ,MQTT protocol

Selected Projects (Clickable Link)

Water Meter Project
Private Company in Saudi Arabia, Mecca - KSA

6 Months

Description: This is an IOT project through which user can monitor his tank water percentage thorough mobile application and it automatically sends request for water supply to the vendors.

Technology: Php, MySql, Android, Python Socket, Rs485 Based Water Level Sensor and Dtu

Smart Home Security <i>GrammenPhone BD, Dhaka-Bangladesh</i> Description: This is an IOT security project which is done for GrammenPhone BD. Though this app we can control gas, smoke, motion and water leak sensors. Technology: Android, PHP, MySQL, MQTT, Sensors.	8 Months
Character Detection and Classification <i>Toshiba - Japan, Tokyo - Japan</i> Description: Use of state-of-the-art (SoTA) detectors (Faster R-CNN, YOLO, SSD) to detect and classify characters from handwriting text images. Technology: Python, Tensorflow, OpenCV, Jupyter, Pandas, Matplotlib	1 Month
Feature extraction algorithms for better approach in sign language (Academic) <i>Bs.C. Final Thesis, American International University Bangladesh</i> Description: Comparison of three feature extraction algorithms FAST, SIFT, SURF for better approach in Gesture and Sign Language in Human-Computer Interaction. Technology: C++, OpenCV	6 Months
Desktop Based Quiz System (Academic) <i>Java Project, American International University Bangladesh</i> Description: Teacher will setup questions-answers in DB & students will attend the quiz. Technology: Java(Swing), My SQL	1 Month
Fighter Plane Game (Academic) <i>Computer Graphics, American International University Bangladesh</i> Description: Player have to avoid enemy planes and kill them. Technology: C++, OpenGL	1 Month
Android Playstore Profile <i>Apps developed in leisure</i> <ul style="list-style-type: none"> Offline Distance - A Social Distancing App (Using BLE) EveryDay News Find Recipes Technology: Android(Java)	N/A