

# Mohammed Innat

UNDERGRAD STUDENT · KAGGLE COMPETITOR · TECHNICAL BLOGGER

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## Education and Training

### Khulna University of Engineering and Technology

Khulna, Bangladesh

B.S. IN ELECTRONICS AND COMMUNICATION ENGINEERING

Apr. 2015 - Exp. Apr. 2020

- Key Courses: Computer Fundamentals and Programming, Object Oriented Programming, Data Structures and Algorithm, Internet Programming, Microprocessor and Microcomputers, Numerical Analysis, Computer Networks, VLSI Design and Nanotechnology, Information Theory, Digital Image Processing, Digital Signal Processing, Signal and System.

### UCSanDiegoX (edX, inc. MOOC)

La Jolla, California, USA

PYTHON FOR DATA SCIENCE

Sep. 2017 - Dec. 2017

- Course Outlines: Jupyter Notebook and Numpy, Pandas, Visualization, Machine Learning, Working with Text and Databases

### Deeplearning.ai (Coursera, inc. MOOC)

Palo Alto, California, USA

DEEP LEARNING SPECIALIZATION

July. 2018 - Dec. 2018

- Key Courses: Neural Networks and Deep Learning, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Structuring Machine Learning Projects, Convolutional Neural Networks, Sequence Models.

### UCSanDiegoX (Coursera, inc. MOOC)

La Jolla, California, USA

BIG DATA SPECIALIZATION

July. 2018 - Exp. Oct. 2019

- Key Courses: Introduction to Big Data, Big Data Modeling and Management Systems, Big Data Integration and Processing, Machine Learning With Big Data, Graph Analytic for Big Data, Big Data - Capstone Project.

## Skills

<b>Programming</b>	Python, C/C++, JavaScript
<b>Embedded System</b>	Arduino Uno, Raspberry Pi 3
<b>Frameworks-Libraries</b>	TensorFlow, Keras, OpenCV, Apache Spark(PySpark), NumPy, Sci-kit-Learn, Matplotlib, Pandas, MLlib, Scrapy
<b>DBMS</b>	PostgreSQL, Neo4j, Firebase
<b>Web</b>	Flask, Bootstrap
<b>Languages</b>	Bengal, English, French

## Projects

### Cardio-XAttentionNet

TECHS: KERAS - NUMPY - SEABORN - TRANSFER LEARNING - COMPUTER VISION

Aug. 2018 - Jan. 2019

- A Dense Convolutional Attention Mapping Artificial Neural Network For Detecting Cardiomegaly Disease.

### Bangla-CapsNet

TECHS: CAPSULE LAYERS - COMPUTER VISION

Jan. 2018 - Feb. 2019

- A Deep Convolutional Dynamic Routing Algorithm in Capsule Layers
- Classification of Bangla Handwritten Characters and Digits

### Toxic Detector

TECHS: NATURAL LANGUAGE PROCESSING - WORD EMBEDDING - CAPSULE LAYERS - ATTENTION MECHANISM

Feb. 2019 - Apr. 2019

- An Ensemble Deep Neural Networks of Capsule Nets With Attention Mechanism.
- Detecting Abusive Words On Web Conversation

### FlaskBook

TECHS: PYTHON - FLASK - BOOTSTRAP - SQLITE

Feb. 2019 - Apr. 2019

- A Facebook-Like Social Media Developed With Flask-Micro framework
- User Can Do CRUD Operation Back-end With SQLite DBMS

### SparkNet: Transfer Learning Across Spark Cluster

TECHS: PYSPARK - MLLIB - TRANSFER LEARNING - COMPUTER VISION

Apr. 2019 - June. 2019

- Deploy InceptionV3 Model In A Distributed Manner On Spark Cluster
- Multi-Class Classification With Logistic Regression(multinomial) Classifier
- Evaluate The Model Performance
- Converting Spark Data-Frame To Pandas Data-Frame For Visualize Model Prediction

# Writing

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## Technical Blogging

[HTTPS://IPHTON.GITHUB.IO/](https://iphton.github.io/)

*Jun. 2018 - Present*

- Writing Computer Vision Tutorials
- Sharing Gist And Graphics

## Published Writing

QUORA

*Aug. 2017 - Present*

- Answering Technical Questions
- Sharing Thoughts and Get Ideas

# Extracurricular Activity

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## Coursera's GTC Program

TRANSLATOR

*Jan. 2018 - May. 2019*

- Machine Learning | Regression + Classification
- Big Data Analysis: Hive, Spark SQL, DataFrames and GraphFrames
- Supply Chain Logistics

## Graphics Design and Image Manipulation

HOBBY

*Jan. 2016 - Present*

- Image Manipulation : A. Photoshop
- Video Editing : A. Premiere - Vegas Pro
- Motion Graphics Design : A. After Effect - A. Illustrator