

# Mohammad Badhruddouza Khan

*Machine Learning Practitioner*

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🌐 <https://buffyhridoy.github.io/>

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## Education

2018– **Bachelor of Science in Biomedical Engineering**

Khula University of Engineering and Technology, Khulna-9203, Bangladesh

CGPA: 3.24/4.00

2015–2017 **Higher Secondary School Certificate**

Hazi Mohammad Mohsin College, Chittagong

GPA: 5.00/5.00

2009–2015 **Secondary School Certificate**

Chittagong Government High School, Chittagong

GPA: 5.00/5.00

## Work Experience

April 2022 – Present  
Data Analyst at Alif Enterprise Sp Z o.o.

## Scholarship

2018–2021 Vocational Scholarship from Khulna University of Engineering and Technology

## Project

May 2021 – July 2021  
Pneumonia Detection Web App

- A web app based on pneumonia detection from chest x-ray images using convolutional neural network

## Skills

Languages C, Python, Matlab, HTML, CSS

Framework Keras, Tensorflow, Pytorch, Flask, Django, MySQL, SQLite

Utilities Tableau, Anaconda, Git, Sublime Text, Jupyter Notebook, Spyder, Latex

## Relevant Courses

April 2021 – May 2021  
**Google Data Analytics Specialization**, Coursera

- Credential ID : 4RYVX8898WH7

July 2019 – October 2019  
**Deep Learning Specialization**, Coursera

- Credential ID : 53XSJ5NXBJFX

## Publications

- Mohammad Badhruddouza Khan, Pranto Soumik Saha, Amit Dutta Roy, "Automatic Segmentation and Shape, Texture-based Analysis of Glioma Using Fully Convolutional Network," *2021 International Conference on Automation, Control and Mechatronics for Industry 4.0 (ACMI)*
- Mohammad Badhruddouza Khan, Rahat Shahrior, Ramisa Tasnia Asha, Pranto Soumik Saha, "Predicting AXL Inhibition of Chemicals using Molecular Descriptors and Machine Learning Methods," *2021 5th International Conference on Electrical Information and Communication Technology (EICT)*
- Mohammad Badhruddouza Khan, Md Tobibul Islam, Mohiuddin Ahmad, "A CNN-based CADx Model for Pneumonia Detection from Chest Radiographs with Web Application," *International Conference on Science and Contemporary Technologies (ICSCT) 2021*
- Mohammad Badhruddouza Khan, Pranto Soumik Saha, Rahat Shahrior, "Feasible Detection of Breast Cancer Metastasis using a CNN-based Deep Learning Model," *2021 International Conference on Electronics, Communications and Information Technology (ICECIT)*
- Mohammad Badhruddouza Khan, Tobibul Islam, Mohiuddin Ahmad, Rahat Shahrior, Zannatun Naiem Riya, "A CNN Based Deep Learning Approach for Leukocytes Classification in Peripheral Blood from Microscopic Smear Blood Images," in *Proceedings of International Joint Conference on Advances in Computational Intelligence*, pp. 67-76, May, 2021.
- Mirza Mohd Shahriar Maswood, Tasneem Hussain, Mohammad Badhruddouza Khan, Md Tobibul Islam, Abdullah G Alharbi, "CNN Based Detection of the Severity of Diabetic Retinopathy from the Fundus Photography using EfficientNet-B5," *11th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON) 2020*

## Recommendations

### **Professor Dr. Mohiuddin Ahmad**

- Department of Electrical and Electronic Engineering
- Khulna University of Engineering and Technology (KUET), Khulna-9203, Bangladesh
- E- mail : ahmad@eee.kuet.ac.bd