MD. ABU BAKAR SIDDIQ SAYEM

Address: House No #4155, Road No #03, Lakeview R/A, Akbarshah, Chittagong.
Cell: +8801727327168, +8801825507837
Email: abssayem121194@gmail.com
Git: https://github.com/ABS-Sayem
Linkedin: https://www.linkedin.com/in/abs-sayem-8a115a144

CAREER OBJECTIVES

I am an enthusiastic, self-motivated student. I strive for the best in all that I do. Resolute for doing anything and sometimes I spend more time doing small tasks. Working in a challenging environment where I can use my skills to deliver value-added results by achieving the set results. I'm passionate about making changes and always looking forward to take new challenges.

EXPERIENCES

- **Software Engineer**
  Research and Development Team,
  Alchemy Software Limited.
  (November 2020 – Present)
- **Teaching Assistant (TA)**
  Dept. of Computer Science and Engineering (CSE),
  International Islamic University Chittagong (IIUC).
  (June 2019 – October 2019)

THESIS & RESEARCH EXPERIENCES

- **An Article** namely- **"HActivityNet: A Deep Convolutional Neural Network for Human Activity Recognition."** Published in December 2021 EMITTER International Journal of Engineering Technology 9(2):357-376.
  Link: https://www.researchgate.net/publication/357871345_HActivityNet_A_Deep_Convolutional_Neural_Network_for_Human_Activity_Recognition
- **Train the model and Classify images using AlexNet** based on Convolutional Neural Network.
- **A Publication** namely - "**Monitoring Harmful Sound Density and Light Intensity State in an Industrial Workplace**." Published in 2019 International Conference on Signal Processing and Communication (ICSC).
  Link: https://ieeexplore.ieee.org/document/8938314?arnumber=8938314

PROJECT

- **"Character Wise Text Generation"** – A generative model for text (character by character) using LSTM recurrent neural network with Keras in Python.
  Link: https://github.com/ABS-Sayem/nlp/tree/main/character_wise_text_generation
- **"Question Answering from Text"** – A simple Chatbot that import a text file and answer any questions related to the text in the file.
  Link: https://github.com/ABS-Sayem/nlp/tree/main/question_answering_from_text
- **"Working with PDF"** – Extract information from pdf file.
  Link: https://github.com/ABS-Sayem/nlp/tree/main/working_with_pdf
- **A Project** on – "Voice Activated Home Automation System." Presented in Techfest-2018, IIUC.
  Link: https://drive.google.com/open?id=1GI1jQ8GgIk0aSAktaL1omfeWCP90hYwd

MACHINE LEARNING COURSES

- **Neural Networks and Deep Learning** by – Coursera (deeplearning.ai – Andrew Ng)
- **Convolutional Neural Network** by - Coursera (deeplearning.ai – Andrew Ng)
- **Introduction to TensorFlow for Artificial Intelligence, Machine Learning and Deep learning** by - Coursera (deeplearning.ai – Andrew Ng)
- **Introduction to Deep Learning** by - Coursera (deeplearning.ai – Andrew Ng)
- **Natural Language Processing with Alice Xhao** by - PyOhio

TECHNICAL SKILLS

Programming Language – Python, C, C++.

Machine Learning – Classification, Regression, Prediction, Detection, Time Series Analysis, Recommendation System

ML Tools – Tensorflow, Keras, Colab, Pytorch, Opencv (cv2), Numpy, Pandas, Matplotlib

NLP – Basic Tasks (Tokenization, Lemmatization, Stemming, POS Tags, NER), Preprocessing, Cleaning, Sentiment Analysis, Word Embedding (Bag of Words, TF-IDF, Word2Vec,) Topic Modeling, Text Generation, Working on PDF.

NLP Tools – NLTK, Spacy, Gensim, RegEx, Keras

Neural Networks – ANN, CNN, RNN(LSTM), Transformer.

IDE/Editors – Visual Studio Code, PyCharm, Jupyter, Spyder, CodeBlocks, Notepad++.

Source Control - Github

EDUCATION

Exam	Concentration /Major	Institute	Result	Passing Year
M.Sc. in Engg. (Postgraduation)	CSE	International Islamic University Chittagong	(Not Published Yet)	(Pursuing)
B.Sc. in Engg. (Undergrade)	CSE	International Islamic University Chittagong	3.51 (Out Of 4) (CGPA)	December, 2019
H.S.C (Higher Secondary)	Science	Nowab Faizunnesa Govt. College, Laksam	4.00 (Out Of 5)	2013
S.S.C (Secondary)	Science	Laksam Pilot Govt. High School, Laksam	5.00 (Out Of 5)	2010

EXTRA-CURRICULAR ACTIVITIES

- **President**
  Gopalpur Ideal Club, Laksam, Comilla.
  (March 2020 – Present)
- **Program Co-Ordinator**
  Charity Organization of Bangladesh (COBA), Chittagong.
  (December 2018 – Present)
- **Executive**
  Operation Team, Shobdometro Chittagong.

(June 2018 – Present)
➢ **Former Executive**
IEEE, IIUC Student Branch, Bangladesh Section
(January 2018 – December 2018)

LANGUAGE & ABILITIES

➢ **Language:** Mother Tongue – "*Bengali*".
Fluent in *Bengali* and Full working knowledge in *English*.
➢ **Abilities:**
Self learning ability
Good communication skill
Team work & Collaboration
Patient
Sincere
Punctual

PERSONAL DETAILS

Date of Birth: January 1st, 1994

Nationality: Bangladeshi (By Born)

Marital Status: Single

Blood Group: B (+ve)

Religion: Islam

REFERENCES

Md. Khaliluzzaman **Assistant Professor**, Dept. of Computer Science & Engineering (CSE) International Islamic University Chittagong (IIUC) Chittagong-4318, Bangladesh. Cell: +8801711-199212 Email: khalil@cse.iiuc.ac.bd / khalilcse021@gmail.com / khalil_021@yahoo.co.in	**Dr. Abdul Kadar Muhammad Masum** **Associate Professor**, Dept. of Computer Science & Engineering (CSE) International Islamic University Chittagong (IIUC) Chittagong-4318, Bangladesh. Cell: +8801708-519252 Email: akmmasum@yahoo.com