**MD. ABU BAKAR SIDDIQ SAYEM**

**Address:** Village: Gopalpur (Hazi Ali Ahamd Vendor House) Holding No #34, P/O: Laksam (3570), Police Station: Laksam, District: Cumilla.

**Cell:** +8801727327168, +8801825507837

**Email:** [abssayem121194@gmail.com](mailto:abssayem121194@gmail.com), abssayemcse121194@gmail.com

**B.Sc. In Computer Science and Engineering**

**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.
* **Wireless Host to Host message passing with variable number of Clients** using OMNet++ Simulation Environment.
* **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**

* **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)

**Trainings & Workshops**

* **A Two Months Long Training On** – “***Microcontroller & Robotics***” at Deshikarigor Research and Training Circle.

(July 6th, 2017 – August 31st, 2017)

**Certification:** https://drive.google.com/open?id=188R9wAESBvS5rmml\_3vtm90TuX5-UNEn

* **A Three Months Long Training On** – “***Web Application Development-Dot Net***” at BASIS Institute of Technology & Management (BITM) supported by the Skill for Employment Investment Program (SEIP).

(April 1st, 2017 – July 10th, 2017)

**Certification:** https://drive.google.com/open?id=1tSidwXc4PKOpvLTGKNEK09GM6ZBf0ZWL

* **A Workshop On – “*Internet of Things (IoT) with Raspberry pi***” at Planeter Ltd.

(February 2nd, 2018)

**Certification:** https://drive.google.com/open?id=1pG7QEFwOb\_Px4c82DlTdxxQQtOXF0s5L

* **A Day Long Workshop On –** “***IoT Cloud Architecture***” at IIUC.

(August 17th, 2017)

**Certification:** <https://drive.google.com/open?id=1LyPcOqtCHBn2yCTmiKq8nGKzEP3F1pH>

* **A Workshop On –** Line Following and Obstacle Avoiding Robot: Building and Working Procedure.

(June 10th, 2017)

**Technical Skills**

**Programming Language** – Python (Tensorflow, Keras), C, C++, HTML/CSS, JavaScript, SQL.

**Machine Learning –** Artificial Neural Network (ANN), Convolutional Neural Network (CNN),

Feed-Forward Neural Network (FNN), LSTM.

**IDE/Editors** – Spyder, PyCharm, CodeBlocks, Notepad++, Oracle 10g.

**Microsoft Office** - Word, Excel, Power Point, Visio.

**Education**

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| --- | --- | --- | --- | --- |
| **Exam** | **Concentration**  **/Major** | **Institute** | **Result** | **Passing Year** |
| M.Sc. in Engg.  (Postgraduation)  B.Sc. in Engg.  (Graduation) | CSE  CSE | International Islamic University Chittagong  International Islamic University Chittagong | (Not Published Yet)  3.51 (Out  Of 4)  (CGPA) | (Pursuing)  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

**Social Contact info.**

**LinkedIn:** <https://www.linkedin.com/in/abs-sayem-8a115a144>

**Twitter:** <https://twitter.com/AbsSayem>

**Facebook:** <https://www.facebook.com/profile.php?id=100004560167399>

**References**

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| **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](mailto:khalil@cse.iiuc.ac.bd) / [khalilcse021@gmail.com](mailto:khalilcse021@gmail.com) / [khalil\_021@yahoo.co.in](mailto: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 |