

# AMITABHA BHATTACHARJEE

Sylhet, Bangladesh

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## **RESEARCH INTERESTS**

- Digital Signal Processing
- Power System Analysis and Renewable Energy System
- Microgrid and Smart grid System
- Machine Learning and Data Science
- Biomedical Signal Processing

## **EDUCATION**

2016-2020

**Bachelor of Science in Electrical and Electronic Engineering**

**Institution: Khulna University of Engineering and Technology, Khulna-9203, Bangladesh.**

CGPA: 3.46 (On a scale of 4.00)

**Thesis Title:** Estimation of Physiological Parameters using Remote Photoplethysmography.

Other Projects done in undergraduate level:

1. Arduino and GSM based Vehicle Tracking System.
2. Python based GUI Design for Face Recognition System.

2013-2015

**Higher Secondary School Certificate Examination**

**Institution:** Murary Chand College, Sylhet, Bangladesh.

GPA: 5.00 (On a scale of 5.00)

## **RELEVANT SKILLS**

- **Machine learning frameworks:** Tensorflow, Keras, Trax.
- **Programming languages:** Python, MATLAB, Arduino, SQLite, C, C++.
- **Engineering Analysis Software:** MATLAB, Simulink, Proteus, Logo PLC, Quartus.
- **Languages:** Bengali, English.

## **PUBLICATION**

Amitabha Bhattacharjee and Md. Salah Uddin Yusuf, “A Facial Video based Framework to Estimate Physiological Parameters using Remote Photoplethysmography”, *2021 First*

*IEEE Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies, 19-20 February, 2021, Bhilai, India.*  
(Selected for the “**BEST PAPER AWARD**” in that conference)

### **ONLINE COURSES**

- “**Applied Data Science with Python**”, 5-course specialization authorized by University of Michigan and offered through Coursera.
- “**Deep Learning Specialization**”, 5-course specialization authorized by deeplearning.ai and offered through Coursera.
- “**SQL for Data Science**”, an online course authorized by University of Davis, California and offered through Coursera.

### **IELTS SCORE**

Listening	Reading	Writing	Speaking	Overall
7.5	8.0	7.0	6.5	7.5

### **References**

References available upon request