# Mehadi Hassan

 Dhaka, Bangladesh

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## EDUCATION

| **BRAC University** | Dhaka, Bangladesh |
|---|---|
| Bachelor of Science in Computer Science and Engineering | Jan. 2017 – Jan. 2021 |
| CGPA: 3.56 | Major CGPA: 3.74 | |

| **Notre Dame College** | Dhaka, Bangladesh |
|---|---|
| Higher Secondary Certificate | 2014 – 2016 |

| **Ideal School & College** | Dhaka, Bangladesh |
|---|---|
| Secondary School Certificate | 2004 – 2014 |

## EXPERIENCES

**Software Engineer** — Dhaka, Bangladesh

CredoSense — Jun. 2021 – Present

- Working on both in the front and back end development.
- Designing different components of e-commerce application.
- Developing software mostly using Python, PyQt, Django
- Keeping features well documented and well tested.

**Student Tutor (Undergraduate Teaching Assistant)** — Dhaka, Bangladesh

BRAC University — Jul. 2020 – Dec. 2020

- MAT215: MATH III Complex Variables and Laplace Transformations (Fall 2020)
- MAT120: MATH II Integral Calculus and Differential Equations (Summer 2020)
- Duties included: Provided consultation, Managed buX, Automated grading on buX and so on.

## RESEARCH EXPERIENCE

**Undergraduate Thesis** — Dhaka, Bangladesh

BRAC University — Jan. 2020 – Jan. 2021

- **Title:** An Active-Learning based Training-Schedule for Biomedical Image Segmentation on Deep Neural Networks
- **Supervisors:** Professor Dr. Mahbub Majumdar, Sowmitra Das, Shahnewaz Ahmed

## RESEARCH INTEREST

Machine Learning, Artificial Intelligence, Bio Medical Image Segmentation, Active Learning, Human Computer Interaction (HCI), Computer Vision

## TECHNICAL SKILLS

**Languages & Frameworks**: Java, Python, Django, PyQt, HTML, Bootstrap, MySQL, LaTeX, Verilog

**Software & Tools**: Git, VS Code, phpMyAdmin, PostgreSQL, Google CoLab, PyCharm, Anaconda Navigator, Netbeans, Android Studio, Microwind, Quartus

**Libraries**: Keras, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib

**Others**: cPanel and Server end deployment

## TEST SCORE

**IELTS**

Overall band score: 7.0 (Listening: 7.5, Reading: 6.5, Writing: 6.5, Speaking: 8.0)          Dec. 2020

## Projects

**CredoSense ECommerce Website** | *Python, Django, Bootstrap, HTML, CSS*    Jun. 2021 - Present
- Used Bootstrap to develop the frontend from scratch.
- Django and Python was used in the backend.
- Features includes User account creation, Adding products to cart, payment, coupon and so on.
- Frontend Demo: Click here

**CredoSense Data Logger Dashboard** | *Python, Django, REST API, JavaScript* Sep. 2021 - Present
- Live data are plotted from the sensors to the dashboard.
- Used REST API to get data from the sensors.
- Features includes dashboard customization, adding and removing sensors, downloading data from the server and so on.

**COVID 19** | *Android, Java, XML*    Jun. 2020
- Bangladesh and Worldwide COVID-19 Statistics
- COVID-19 Hospitals and Emergency numbers of Bangladesh
- Myths, Handwash details procedures, Infos, FAQ and so on
- Donation

**Employee Management System** | *HTML, CSS, PHP, MySQL*    Oct. 2019
- Tracks employee performance
- Assign projects and grade them
- Admin panel can perform CRUD

**MNIST Handwritten Digit Recognition** | *Python*    2019
**Sentiment Analysis on Movie Review** | *Python*    2019
**URI Problems** | *Java*    2018
- Solved aroudn 100 URI problems in Java

## Competition

**NASA Space Apps COVID-19 Challenge**    May 30-31, 2020
Participant

## Extra Curricular Activities

**Volunteer**    Savar, Bangladesh
International Conference on Energy and Power Engineering (ICEPE), IEEE    14 - 16 Mar., 2019
Power & Energy Society
- Managed the IT part of the whole conference.
- Guided international guests and participants throughout the event

**General Member**
BRAC University Computer Club    2018 – 2019
**Boy Scouts**
Bangladesh Scouts, Ideal School and College    2010 – 2013

## Achievements

- Got placed in **VC's List** for a semester.
- Got placed in **Dean's List** for 4 semesters.

## Talks & Presentation

**Short introduction to Neural Networks & Deep Learning**    Dhaka, Bangladesh
BRAC University    Nov. 2019

## CERTIFICATIONS

**Technical Support Fundamentals**      Feb. 18, 2020
Google, Coursera

**Python for Data Science, AI & Development**      Feb. 2, 2020
IBM, Coursera

**Certificate of Appreciation**      Mar. 2019
2019 International Conference on Energy & Power Engineering by IEEE PES.

**Certificate of Attendance**      10 Sep. – 30 Nov. 2017
Programming Language as an activity at Residential Campus, BRAC University