

# Md Mahedi Hasan

<http://www.mahedihasan.me/>

---

CONTACT INFORMATION	House No: 160/1, Road No: 2, Shahid Nagar, Lalbagh, Dhaka-1211, Bangladesh	Phone : +880-1535-822954 Email : <a href="mailto:mahedi0803@gmail.com">mahedi0803@gmail.com</a> Github: <a href="#">Mahedi-61</a>
OBJECTIVES	To pursue research opportunities in the fields of computer vision and deep learning.	
EDUCATION	<b>M.Sc. in Information and Communication Technology (2015 - present)</b> Bangladesh University of Engineering and Technology (BUET) CGPA 3.58 out of 4.00  <b>B.Sc. in Electrical and Electronic Engineering (2008 - 2013)</b> Khulna University of Engineering and Technology (KUET) CGPA 3.48 out of 4.00  <b>Higher Secondary School Certificate (2006 - 2008)</b> Engineering University Higher Secondary School GPA 5.00 out of 5.00  <b>Secondary School Certificate (2004 - 2006)</b> West End High School, Dhaka GPA 5.00 out of 5.00	
RESEARCH INTEREST	Computer Vision and Pattern Recognition Machine Learning Deep Learning	
PROFESSIONAL EXPERIENCE	<b>Adjunct Lecturer</b> May 2016 - present Department of Computer Science and Engineering Manarat International University  <b>Assistant Editor</b> March 2015 - present Byapon science magazine Bi-monthly youth science magazine Printed and circulated nationwide more than 12,000 copies per issue Office: 48/1, Motijheel C/A, Dhaka-1200, Bangladesh <a href="http://www.byapon.com">Web: www.byapon.com</a>  <b>Android Application Development</b> January 2014 - April 2015 Earth Face <a href="http://www.earthface.biz">Web: www.earthface.biz</a>	
CONFERENCE PUBLICATIONS	1. <b>YOLO-Based Three-Stage Network for Bangla License Plate Recognition in Dhaka Metropolitan City</b> Sohaib Abdullah, <b>Md Mahedi Hasan</b> , Sheikh Muhammad Saiful Islam <i>To Appear in IEEE Proceedings of the 2018 International Conference on Bangla Speech and Language Processing (ICBSLP), 21-22 September, 2018, Bangladesh.</i>	

SUBMITTED  
MANUSCRIPTS

1. **Pose-Based Two-Stage Network for View Invariant Gait Recognition**  
**Md Mahedi Hasan**, Hossen Asiful Mustafa  
*In 14th Asian Conference on Computer Vision (ACCV).*
2. **DEEPGONET: Multi-label Prediction of GO Annotation for Protein from Sequence Using Cascaded Convolutional and Recurrent Networks**  
Sheikh Muhammad Saiful Islam, **Md Mahedi Hasan**  
*In 21st International Conference on Computer and Information Technology (ICCIT), 2018, Bangladesh.*
3. **Two-stage Network for Early Detection and Grading of Diabetic Retinopathy using Retinal Images**  
Sheikh Muhammad Saiful Islam, **Md Mahedi Hasan**, Sohaib Abdullah  
*In 5th International Conference on Engineering Research, Innovation and Education (ICERIE), 2019, SUST, Bangladesh.*

THESIS

Postgraduate Thesis

- **Thesis Title:** *Recognizing and tracking people by their gait signature across multiple non-intersecting surveillance cameras.*

**Advisor:** Dr. Hossen Asiful Mustafa

**Status:** ongoing

Undergraduate Thesis

- **Thesis Title:** *Planning and Development of Engineering maintenance module of radiological equipment X-Ray in rural areas of Bangladesh.*

**Advisor:** Prof. Dr. Mohiuddin Ahmad

RESEARCH  
PROJECTS

1. **Gait Based People Identification**  
RNN based temporal model for people Identification based on their gait signature.  
Report & Code: [https://github.com/Mahedi-61/temporal\\_network](https://github.com/Mahedi-61/temporal_network)
2. **Development of Automated Essay Scoring**  
Development of machine learning based automated essay scoring (English) system.  
Report & Code: <https://github.com/Mahedi-61/Essay-Scoring>
3. **Distributed Password Cracking System**  
Multiple Client based distributed online password cracking system.  
Report & Code: <https://github.com/Mahedi-61/Distributed-Password-Cracker>
4. **File Encryption Decryption with DES**  
DES cryptographic algorithm implementation from scratch.  
Report: <https://github.com/Mahedi-61/File-Encryption-Decryption-with-DES>

ACHIEVEMENTS

**B.Sc. Engineering Scholarships**

KUET students merit scholarships through four years for academic excellence from the Govt. of the People's Republic of Bangladesh

TECHNICAL  
ATTACHMENTS &  
TOURS

**Attachment:**

Three days attachment on Radiological and Cardiologic Medical Imaging Equipment in Khulna Medical College Hospital (KMCH).

**Tours:**

Khulna Power Company Limited (KPCL), Watsila, Khulna  
Power Grid Company of Bangladesh Ltd. (PGCB), Khulna  
Goalpara Power Station, Khulna.

EXTRA-  
CURRICULAR  
ACTIVITIES

- Member at Inter University Tech Fiesta, 2012 Organized by EEE Association, KUET.
- Volunteer at IEEE Student Professional Awareness Conference (SPAC), 2010 Organized by IEEE Student Branch, KUET.

TECHNICAL SKILL

Programming Languages:	C, C++, Java, Python
Web Programming:	PHP, JavaScript
Numerical Analysis:	MATLAB
Application Development:	Android
System Administration:	Unix/Linux
Database Systems:	SQL

REFERENCES

**Prof. Dr. Md. Liakot Ali**

Professor, Institute of Information and Communication Technology (IICT)  
Bangladesh University of Engineering and Technology (BUET)  
Dhaka - 1000, Bangladesh  
E-mail: liakot@iict.buet.ac.bd

Phone: 880-2-55167100/6516

**Dr. Hosssen Asiful Mustafa**

Assistant Professor, Institute of Information and Communication Technology (IICT)  
Bangladesh University of Engineering and Technology (BUET)  
Dhaka - 1000, Bangladesh  
E-mail: hossen.mustafa@iict.buet.ac.bd

Phone: 880-2-55167100/6208