

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 : mahedi0803@gmail.com Github: Mahedi-61
OBJECTIVES	To pursue research opportunities in the fields of computer vision and pattern recognition.	
EDUCATION	M.Sc. in Information and Communication Technology (2015 - present) Bangladesh University of Engineering and Technology (BUET) CGPA 3.58 out of 4.00 B.Sc. in Electrical and Electronic Engineering (2008 - 2013) Khulna University of Engineering and Technology (KUET) CGPA 3.48 out of 4.00 Higher Secondary School Certificate (2006 - 2008) Engineering University Higher Secondary School GPA 5.00 out of 5.00 Secondary School Certificate (2004 - 2006) West End High School GPA 5.00 out of 5.00	
RESEARCH INTEREST	Computer Vision and Pattern Recognition Machine Learning Deep Learning	
PROFESSIONAL EXPERIENCE	Adjunct Lecturer May 2016 - present Department of Computer Science and Engineering Manarat International University Assistant Editor 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 Web: www.byapon.com Android Application Development January 2014 - April 2015 Earth Face Web: www.earthface.biz	
CONFERENCE PUBLICATIONS	1. YOLO-Based Three-Stage Network for Bangla License Plate Recognition in Dhaka Metropolitan City Sohaib Abdullah, Md Mahedi Hasan , 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
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 Cardiological 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

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