

Md Habibur Rahman

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EDUCATION

American International University of Bangladesh (AIUB) <i>M.Sc. in Computer Science and Engineering</i> CGPA: 3.83/4.0	Dhaka, Bangladesh Jan. 2019 – Dec. 2021
Khulna University of Engineering and Technology(KUET) <i>B.Sc. in Computer Science and Engineering</i> CGPA: 2.41/4.0	Khulna, Bangladesh Mar. 2010 – feb. 2016
New Govt. Degree College <i>Higher Secondary School Certificate Examination</i> GPA: 5.0/5.0	Rajshahi, Bangladesh 2009
Masjid Mission Academy <i>Secondary School Certificate Examination</i> GPA: 5.0/5.0	Rajshahi, Bangladesh 2007
TOEFL: Overall: 99, Reading: 30, Listening: 24, Writing: 22, Speaking: 23	2023

RESEARCH INTERESTS

- Algorithm, Graph Theory, Artificial Intelligent, Machine Learning, Natural Language Processing, Computer Vision

PUBLICATIONS

- Nafiz Sadman; **Md Habibur Rahman**; Sumaiya Tasneem; Mohd Ariful Haque; Kishor Datta Gupta “Recommend Speciality Doctor from Health Transcription: Ensemble Machine Learning Approach”, 2021 IEEE 11th Annual Computing and Communication Workshop and Conference (CCWC)
- Sahan Ahmad; Kazi Md. Rokibul Alam; **Habibur Rahman**; Shinsuke Tamura, “A Comparison between Symmetric Encryption and Asymmetric decryption based on Mixnet. A logical simulation of symmetric encryption and asymmetric decryption based on Mixnet”, 2015 International Conference on Networking Systems and Security (NSysS)

RESEARCH EXPERIENCE

Graduate Thesis Student, under the supervision of Dr. Md. Taimur Ahad.	2021
<ul style="list-style-type: none">Thesis Title: Ensemble based voting for medical data cleaning in NLP<ul style="list-style-type: none">A new ensemble-based method was proposed to clean a medical-based text dataset.This journal is currently under review at Computational Intelligence and Neuroscience.	

JOB EXPERIENCE

Machine Learning Engineer <i>Silicon Orchard Ltd.</i> <i>Machine Learning Team</i> Python, Tensorflow, Django <ul style="list-style-type: none">R&D on developing machine learning models to get better results for the medical datasets.	Jun. 2020 – Aug. 2020 Dhaka, Bangladesh
Jr. Software Engineer <i>mPower Social Enterprise Ltd.</i> <i>Opensrp Team</i> Java, Spring, Play, Android <ul style="list-style-type: none">Developing an open-source health system called Opensrp to improve the health and survival of mothers and infants.	Nov. 2016 – Nov. 2017 Dhaka, Bangladesh
Game Developer <i>Bit Mascot (Pvt.) Ltd.</i> <i>Game Team</i> C#, Unity3D <ul style="list-style-type: none">Developing Games from new ideas, upgrading or adding new features and modes, code optimization using c# in Unity3D.	Feb. 2016 – Oct. 2016 Dhaka, Bangladesh

ACADEMIC AND PERSONAL PROJECTS

- Graph algorithm visualization: Three visualization projects were built based on the general graphs.
BFS Tree Visualization : BFS tree is constructed and visualized from general Graph.
Tools & Platform: Android, Java, BFS algorithm.
DFS GRAPH Visualization: DFS tree is constructed and visualized from general Graph
Tools & Platform: Android, Java, DFS algorithm.
Articulation Point & Bridge Visualization: Articulation Points and Bridges are identified and visualized from a general Graph.
Tools & Platform: Android, Java, Tarjan's algorithm
- Social Connection : CRUD operation where a user can register, post, and delete like social media.
Tools & Platform: Django, Python
- Product's Relationship in Market (PRM) : Product's popularity is determined.
Tools & Platform: Data Mining & Machine Learning, Python, Apriori algorithm
- Brain Tumor Segmentation : Malignant and benign tissue's are classified.
Tools & Platform: Matlab, Image Processing
- Property Price Prediction (3PS) : House rent price is predicted based on various housing features.
Tools & Platform: Machine learning(Linear Regression), Python

AWARDS AND ACCOMPLISHMENTS

- Honorable position in ACM-ICPC Asia Dhaka Regional Contest out of 153 teams, 2013.
- Honorable position in ACM-ICPC Asia Dhaka Regional Contest out of 121 teams, 2012.
- Placed 2nd(Team) in KUET GP-IT intra-University programming contest out of 50 teams, 2012.
- Selected for advanced Algorithm training, arranged by Bangladesh Association of problem setters(BAPS), 2012.
- Team member and syllabus committee, at SGIPC(Programming Contest Group), KUET.
- Scholarship in Higher Secondary School Certificate Examination, 2009.
- UVA problem solving ID.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, C#

Database Management System: PostgreSQL, MySQL, Oracle, SQLite

Frameworks and Libraries: Tensorflow, Keras, Weka, OpenCV, Django, Spring Framework, JPA, Hibernate, Play

Design Pattern: Object-Oriented Design, MVC

MASSIVE OPEN ONLINE COURSES (MOOCs)

Coursera

- **Deep Learning Specialization** : Taught by Andrew Ng.
- **DeepLearning.AI TensorFlow Developer Professional Certificate** : Taught by Laurence Moroney

REFERENCE

Dr. K. M. Azharul Hasan

Professor, Dept. of CSE, KUET

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Prof. Dr. Tabin Hasan

Professor & Head, Graduate Program (CS), Computer Science, AIUB

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