



Mahmudul Hasan

Machine Learning Enthusiast,
Competitive Programmer

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Social Network

in Mahmudul Hasan
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Programming Profile

- **Codeforces** (560+ problems solved): Mahmudul_Hasan_Munna
- **Codechef** (25 problems solved): munna15
- **Uva Online Judge** (45+ problems solved): Munna15
- **LightOJ** (30+ problems solved): Mahmudul_Hasan_Munna

Education

- 2018 – 2023 **B.Sc. in Computer Science and Engineering**
Khulna University of Engineering & Technology, Khulna, Bangladesh
CGPA: 3.85/4.00
- 2015 – 2017 **Higher Secondary Certificate**
Savar Cantonment Public School and College, Dhaka, Bangladesh
GPA: 5.00/5.00
- 2013 – 2015 **Secondary School Certificate**
Joymontop High School, Dhaka, Bangladesh
GPA: 5.00/5.00

Experience

- **Lecturer, Department of Computer Science and Engineering**
IUBAT - International University of Business Agriculture and Technology | May 21, 2023 - Present

Projects

- **Bus Management System**
A simple C++ project for maintaining the seats and entering a bus using the concept of Object Oriented Programming.
<https://github.com/Munna015/Bus-Management-System>
- **Engineering Books**
An android app for engineering book collection using Java and Android Studio, including Google Firebase as backend database.
<https://github.com/Munna015/Engineering-Books>
- **Online Tutor Finder System**
A website for finding expected tutors using HTML, CSS, JavaScript, MySQL and PHP.
<https://github.com/Munna015/Online-Tutor-Finder-System>
- **BayMax**
An iOS app for BMI calculation using Swift and Xcode. Google Firebase was used as backend database.
- **Find & Shoot**
A CNN based two player ball shooting game in which shoot down the opponent from the distance and save yourself by not getting shoot.
<https://github.com/Munna015/Find-Shoot>
- **Undergraduate Thesis: Aspect Based Sentiment Analysis for Bangla Text**
A NLP task that takes text from user as input and extracts aspect opinion pair, predicts aspect category and sentiment polarity as output.

Skills

- **Programming Language:** C, C++, Java, Python, PHP
- **Web Based Language:** HTML, CSS, Bootstrap, JavaScript
- **Operating System:** Windows, Ubuntu
- **Version Control:** Git
- **Database:** MySQL, Oracle
- **Development:** Web Development, Android development, iOS development
- **Framework:** Scikit-learn, Tensorflow, Keras
- **Other Domains:** Machine Learning, Deep Learning, Computer Vision, Natural Language Processing

Publications

- M. Mahmudul Hasan, N. H. Shawon and K. M. Azharul Hasan, "**Aspect Based Sentiment Detection from Natural Bangla Text**", 2023 26th International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh 2023, pp. 1-6, doi: 10.1109/ICCIT60459.2023.10441643.
- Akhand, M.N.T., Das, S., Hasan, M. (2022). "**Traffic Density Estimation using Transfer Learning with Pre-trained InceptionResNetV2 Network**". In: Skala, V., Singh, T.P., Choudhury, T., Tomar, R., Abul Bashar, M. (eds) Machine Intelligence and Data Science Applications. Lecture Notes on Data Engineering and Communications Technologies, vol 132. Springer, Singapore.
- M. Hasan, S. Das and M. N. T. Akhand, "**Estimating Traffic Density on Roads using Convolutional Neural Network with Batch Normalization**", 2021 5th International Conference on Electrical Engineering and Information Communication Technology (ICEEICT), 2021, pp. 1-6.

Awards and Scholarships

- Achieved **Dean's Award** in four consecutive years in recognition of excellent performance (2018, 2019, 2020, 2021) in CSE, KUET.
- **Talent pool Category** scholarship for good result in Secondary School Certificate exam.
- **Talent pool Category** scholarship for good result in Junior School Certificate exam.

Co-curricular Activities

- Volunteer at "**BitFest 2019**" organized by Dept. of CSE, KUET in 2019.
- Volunteer at "**5th International Conference on Electrical Information and Communication Technology (EICT)**" organized by faculty of Electrical and Electronic Engineering, KUET on December 17-19, 2021.