Md. Ahsan Habib

Mollapara, Badargonj, Rangpur
+881515626136
mdnayan1507082@gmail.com
https://github.com/nayan082
https://www.linkedin.com/in/md-ahsan-habib-405735161/

Career Objective	Skilled, knowledgeable and qualified computer programming student with extensive background in problem solving and competitive programming. Able to grasp new concepts quickly and efficiently. Seeking a challenging position to utilize my skills and abilities that offers professional growth while being resourceful, innovative and flexible.
Education	**Khulna University of Engineering & Technology(KUET), Khulna, Bangladesh** B. Sc. in Computer Science and Engineering | March 2016 - March 2020 **CGPA**: **3.91** out of **4.00 (2nd position out of 121)**
	Dhap Satgara Model Kamil Madrasah, Rangpur, Bangladesh Higher Secondary Certificate | Science | 2015 GPA: 5.00 out of 5.00
	Dhap Satgara Model Kamil Madrasah, Rangpur, Bangladesh Secondary School Certificate | Science | 2013 GPA: 5.00 out of 5.00
Research Work	**Physarum Inspired Bicycle Lane Network Design in Congested Mega City**
	Objective: To design a bicycle lane network in a congested mega city like Dhaka and try to reduce different problems like mobility, cost, CO_2 emission reduction, etc. and make one step forward towards Green city.
Publication	1. **Md. Ahsan Habib,** Md. Milon Islam, Muhammad Nomani Kabir, Motasim Billah Mredul and Mahmudul Hasan, **" Staircase Detection System for Visually Impaired People: A Hybrid Approach,"** *Revue d'Intelligence Artificielle*, Lavoisier, vol. 33, no. 5, pp. 327-334, Oct. 2019. https://doi.org/10.18280/ria.330501. **[Scopus (SJR: 0.12, H Index: 13, Q4), Ei Compendex, dblp].**
	2. Md. Nakibul Alam, Md. Milon Islam, **Md. Ahsan Habib**, Motasim Billah Mredul, **"Staircase Detection Systems for the Visually Impaired People: A Review,"** *International Journal of Computer Science and Information Security,* Vol. 16 No. 12, pp. 13-18, 2018. IF: 0.702(2018) (Based on ISI).
Awards & Scholarships	University Faculty Dean's Award in the Session 2015-16, 2016-11, 2017-18 and 2018-19.
	Regional Champion (Khulna) & Global Nominee in NASA SPACE APP CHALLENGE 2019.
Technical Skills	**Programming Language** : C, C++, Java, Swift, Python, Assembly **Mobile Development IDE** : Android Studio, Xcode (iOS) **Web Based** : PHP, JavaScript, HTML, CSS **DBMS** : Oracle 10g, MySQL, SQLite **Version control** : Git **Software Packages** : Proteus, CISCO Packet Tracer **Operating system** : Windows, Ubuntu, iOS **Others** : OpenCV, OpenGL
Area of Interest	Problem Solving, Artificial Intelligence, Data Science, Natural Language Processing, Object Oriented Programming, Robotics, Data Mining, Image Processing & Computer Vision, Machine Learning, Deep Learning.
Programming Activities	Codeforces - Handle: nayan_082, UVA - Handle: nayan_082, Vjudge – Handle: nayan_082, Leetcode – ID mdnayan1507082 (300+ problem solved)
	Participated in Intra KUET Programming Contest (2 times - 2016 & 2019).
Projects	**CarDesign** OpenGL, C++ The classic computer graphics project consists of a moving car with certain environment.

BeatMySum
Python, Artificial Intelligence
A human vs PC card game with minimax and alpha-beta pruning algorithm.

Web Development Project: KDS (KUET Debating Society) Website
PHP, HTML, CSS, JavaScript
A website based on the working procedure of a Debating Society.

Bloodbank
Oracle DBMS, PL/SQL
Simple Database project based on blood donation organization's workflow.

Smart Stick (Hardware Project)
Raspberry Pi
This project is to build a smart stick for visually impaired people that help to detect staircase.

Co-curricular Activities	SGIPC - Special Group Interested in Programming Contest
	• **Member (2015-2019)**
	HACK - Hardware Acceleration Club of KUET
	• **Vice President (2018-2019)**
	OKS - Organization of KUET Sports
	• **Executive Member (2018-19)**
	NHSPC - National High School Programming Contest
	• **Organizer & Student Motivator (2017)**
	Certifications
	• Participate in "**Intra Department Idea Contest-2016**" organized by Dept. of CSE, KUET on 12 November 2016.
	• Participate in "**BACS Regional Programming Camp - Khulna Division**" organized by Bangladesh Advanced Computing Society held at KUET in 2017.
	• Completion of "**iOS Application Development**" workshop at Dept. of CSE, KUET, Bangladesh organized by Nascenia IT on April 28-29, 2018.
	• Completion of "**Bangla Natural Language Processing with Deep Learning**" workshop organized by Dept. of CSE, KUET in 2018.
	• Participate in "**Entrepreneurship with IT innovation**" organized by Dept. of CSE, KUET on 28 December 2018 and 30 December 2019.
Reference	**Dr. Muhammad Aminul Haque Akhand**
	Professor, Department of Computer Science and Engineering
	Khulna University of Engineering & Technology, Khulna 9203, Bangladesh
	Email:akhandkuet@yahoo.com, akhand@cse.kuet.ac.bd
	Contact No: +880-1714087205
	Website: www.kuet.ac.bd/cse/akhand/
	Md. Milon Islam
	Assistant Professor, Department of Computer Science and Engineering
	Khulna University of Engineering & Technology, Khulna 9203, Bangladesh
	Email: miloncsekuet@gmail.com, milonislam@cse.kuet.ac.bd
	Contact No: +880-1714087273
	Website: www.kuet.ac.bd/cse/milonislam/