

Md. Ahsan Habib

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| **Career Objective** | Skilled, knowledgeable and qualified computer programming student who can grasp new concepts quickly and efficiently. Seeking a challenging position to utilize my skills and abilities in the area of Teaching and Education 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 | 2015GPA: 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, CO2 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. |
| Talent Pool Category Scholarship in HSC (2015). |
| **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** | Teaching & Research, Graphics Design, Image Processing & Computer Vision, Machine Learning, Artificial Intelligence, Object Oriented Programming, Robotics, Natural Language Processing, Database. |
| **Programming Activities** | Codeforces - Handle: nayan\_082, UVA - Handle: nayan\_082, Vjudge – Handle: nayan\_082, Leetcode – ID: mdnayan1507082 (350+ problem solved)  Participated in Intra KUET Programming Contest, 2016 & 2019. |
| **Projects** | [**Car**](https://github.com/sayedUtsha/SnakeGame)**Design**  OpenGL, C++  The classic project for computer graphics project. |
| [**Beat**](https://github.com/sayedUtsha/FruitGo)**MySum**  Python, Artificial Intelligence  A human vs PC card game with minimax and alpha-beta pruning algorithm. |
| [**Compiler**](http://www.mecs-press.org/ijigsp/ijigsp-v11-n3/v11n3-4.html)  C++  A simple compiler project. |
| [**Tic**](https://github.com/sayedUtsha/Movie-Mate-iOS-Project-)**-Tac-Toe**  iOS  An iOS app of a well-known game. |
| [**Web Development Project: KDS (KUET Debating Society) Website**](https://github.com/sayedUtsha/Web-Development-Project-BloodBank-Dream-)  PHP, HTML, CSS, JavaScript  A website based on the working procedure of a Debating Society.  **Calculator**  Android  It's an android application for addition, subtraction, multiplication and division. |
| **AlarmMe**  Android, SQLite  It’s an android application for maintaining the daily class routine of a student. |
| [**Bloodbank**](https://github.com/sayedUtsha/Bloodbank-Database-Project-)  Oracle DBMS, PL/SQL  Simple Database project based on blood donation organization’s workflow. |
| [**Smart Stick (Hardware Project)**](https://github.com/sayedUtsha/Moveable-Bridge-Automation-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](mailto: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](mailto:milonislam@cse.kuet.ac.bd)  Contact No: +880-1714087273  Website: www.kuet.ac.bd/cse/milonislam/ |