MD SAIF AHAMMOD KHAN

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📍 Dhaka Metro Eye Hospital Building, Kuril Chowrasta, Dhaka-1229

CAREER OBJECTIVE

Seeking a position in an organization where I can use my expertise and bring success for both me and the organization. I am skilled in problem-solving, object-oriented programming, data structure, algorithms, and creative thinking. I am committed to providing adequate support while performing necessary duties.

THENICAL SKILLS

Programming language: JAVA, Python, C, C++, SQL.
Markup Language: HTML, CSS.
Database: MySQL, Firebase.
Version Control: Git.
Libraries: Scikit-Learn, Pandas, Keras.
Platform: Android, Arduino, Raspberry Pi.
Electronic Design: Fritzing, Logisim and Proteus.
Editing Tool: Figma, Sketch Up, Adobe (Photoshop, Illustrator, Premier Pro).

OTHER SKILLS

Agile, Analytical, Leadership, Team player, Communication, Problem Solver, Technical writer, Organized.

RESEARCH INTEREST

- ❖ Artificial Intelligence & Robotics
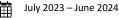- ❖ Computer Vison
- ❖ Internet of Things

LANGUAGES

- ❖ Bengali
- ❖ English

WORK & EXPERIENCE

Graduate Assistant
North South University
📅 July 2023 – June 2024   📍 Bashundhara, 1229 Dhaka

Android Developer
HOP IN
📅 August 2018 – January 2020   📍 Uttara, 1230 Dhaka

HOP IN is a car-sharing service focused on students, where students get to share a car with their university mates travelling in the same direction and share the fair among themselves.

EDUCATION

MS in Computer Science & Engineering
North South University
📅 January 2023 – Present   📍 Dhaka-1229, Bangladesh
- ❖ CGPA: 3.95 out of 4.00 (18 Credits Completed)

BSC in Computer Science & Engineering
North South University
📅 May 2017 – December 2021   📍 Dhaka-1229, Bangladesh
- ❖ **CGPA:** 3.70 out of 4.00 (90%)
- ❖ **Specialized trail:** Artificial intelligence

Higher Secondary Certificate (H.S.C)
Rajshahi Education Board Model School and College
📅 03 April, 2016   📍 Rajshahi, Bangladesh
- ❖ GPA: 4.33 out of 5.00 (Science)

Secondary School Certificate (S.S.C)
Rajshahi Collegiate School
📅 09 February, 2014   📍 Rajshahi, Bangladesh
- ❖ GPA: 5.00 out of 5.00 (Science)

PROJECTS

Start Up Project
HOP IN
📅 August 2018 – January 2020   📍 Uttara, 1230 Dhaka

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HOBBIES

Robotics, Programming, Games, Football, Photography, Traveling.

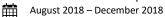## CO-CURRICULAR ACTIVITIES

Founding Member
NSU Ignite
November 2018 – Present
NSU Ignite is a team of engineers who have built various robots and software and participated in various competitions.

Mentor and Trainer of Robotics
NSU ACM Student Chapter
August 2018 – December 2018

Senior Member
NSU ACM Student Chapter
September 2017 – December 2018

AWARDS & CERTIFICATES

1st Runner up in robotics workshop
Organized by NSU ACM Student Chapter
Summer 2018

1st Runner Up in Robo Soccer
RoboQuest 1.0 - Intra NSU Robotics Contest
December, 2018

Best Active Member Award
NSU ACM Student Chapter
Summer – 2018

2nd Runner Up in Robo Race
IEEE NSU RAS WWW
October, 2019

TRAINING

Robotics Workshop
Organized by NSU ACM Student Chapter
Summer 2018

Android Workshop
Organized by NSU ACM Student Chapter
Summer 2018

Workshop on Linus and Unix Operating System
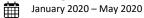Organized by NSU ACM Student Chapter
2 November, 2018

Drone Making Workshop
Organized by NSU CEC, & Conducted by Rotor Solution and Thrust

Junior Design Course Project
Assist senior citizens and disabled people by detecting the hand gesture
January 2020 – May 2020

Assist is an AI based design where it can monitor elderly or disable person through a camera and detect hand gesture and send feedback to an android app named "Assist" upon the need.

Thesis Project
Shouhardo
May 2021 – September 2021

Shouhardo is a platform through which users can access advanced medical information without the assistance of third parties. Many people sometimes face various problems while taking treatment in the hospital. Shouhardo will help users find all the information they need while receiving treatment.

Senior Design Course Project
ADOAVER
August 2018 – January 2020

AOAVER is an Exploring Robot that can avoid static obstacles and investigate places that humans cannot easily access. It is also capable of detecting a variety of obstacles

PUBLICATION

Refereed Journal
❖ Neloy, A. A., Bindu, R. A., Alam, S., Haque, R., **Khan, M. S. A.,** Mishu, N. M., & Siddique, S. (2020, November). Alpha N-V2: Shortest Path Finder Automated Delivery Robot with Real-Time Object Detection and Avoiding System. Vietnam Journal of Computer Science (VJCS), Issue-7, No 4, Nov 2020. DOI: https://doi.org/10.1142/S2196888820500219

Book Chapter
❖ Neloy, A. A., Bindu, R. A., Alam, S., Haque, R., **Khan, M. S. A.,** Mishu, N. M., & Siddique, S. (2020, March). Alpha-N: Shortest Path Finder Automated Delivery Robot with Obstacle Detection and Avoiding System. In Asian Conference on Intelligent Information and Database Systems, (pp. 202-213). Springer, Cham. DOI: https://doi.org/10.1007/978-3-030-41964-618

Special Publication
❖ Understanding the Healthcare Sector in Bangladesh: Experiences and Services during the COVID-19 Pandemic.
Ridwanul Haque, **Md. Saif Ahammod Khan**, Nasim Mahmud Mishu, Rahat Jahangir Rony and Nova Ahmed, North South University. Asian CHI Symposium 2022 Special Publication ISBN: 978-0-9942763-2-2