MD SAIF AHAMMOD KHAN

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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, Dart.
Markup Language: HTML, CSS.
Framework: Flutter.
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.

RESEARCH INTEREST

- ❖ Artificial Intelligence & Robotics
- ❖ Human Computing Interaction
- ❖ Internet of Things

LANGUAGES

- ❖ Bengali
- ❖ English

HOBBIES

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

WORK & EXPERIENCE

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

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
- ❖ Thesis: Understanding the healthcare sector in Bangladesh: experience and services during the covid-19 pandemic.

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)

CO-CURRICULAR ACTIVITIES

Founding Member
NSU Ignite
📅 November 2018 – Present
- ❖ NSU Ignite is a team of engineers who have built various robots and softwires and participated in various competitions and hackathons.

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
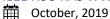RoboQuest 1.0 - Intra NSU Robotics Contest
📅 December, 2018

Best Active Member Award
NSU ACM Student Chapter
📅 Summer – 2018

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

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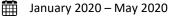
Start Up Project
HOP IN
📅 August 2018 – January 2020   📍 Uttara, 1230 Dhaka

❖ 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.

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