

MD SAIF AHAMMOD KHAN

Email: saif.ahammod@gmail.com
Phone: +880 01917 089109
Website: saifahammod.me
Address: Ka-51, Dhaka Metro Eye Hospital Building,
Kuril Chowrasta, Dhaka-1229
Github: github.com/saif-ahammod
Linkedin: linkedin.com/in/saif-ahammod



CAREER OBJECTIVE:

As a passionate and dedicated researcher with a strong foundation in Deep Learning, Machine Learning, Robotics, Computer Vision, and Image Processing, I aim to contribute to cutting-edge advancements that bridge the gap between human potential and technological innovation. My goal is to leverage my expertise in these fields to create intelligent systems that enhance automation, solve complex real-world problems, and drive the future of AI-powered solutions. Through continuous learning and research, I aspire to make impactful contributions in academia and industry, shaping the next wave of innovation in artificial intelligence and robotics.

EXPERIENCE:

- **Graduate Teaching Assistant**
[North South University](#)
July 2023 - Present
Providing support to faculty members and students in various academic activities, including invigilating exams, evaluating homework assignments, and assisting students with their studies.
- **Android App Developer**
[HOP IN](#)
August 2018 – January 2020
I was responsible for the maintenance and management of the platform's three mobile applications. My duties involved diagnosing and resolving technical issues, debugging, and regularly upgrading the applications to enhance functionality and performance.

EDUCATION:

- **MS in Computer Science & Engineering**
[North South University](#)
January 2023 - Present
CGPA: 3.96 out of 4.00 (21 Credits Completed)
- **BSC in Computer Science & Engineering**
[North South University](#)
May 2021 - December 2021
Specialized Trail: Artificial Intelligence
CGPA: 3.70 out of 4.00 (90% Marks)
- **Rajshahi Education Board Model School and College**
[Rajshahi Education Board Model School and College](#)
03 April, 2016
Group: Science
GPA: 4.33 out of 5.00

- **BSC in Computer Science & Engineering**
Rajshahi Collegiate School
 09 February, 2014
 Group: Science
 GPA: 5.00 out of 5.00

TECHNICAL SKILL:

Programming Languages	: Java, Python, C, C++, SQL, HTML, CSS
Databases	: MySQL, Firebase
Version Control	: Git
Libraries and Frameworks	: Numpy, Pandas, Matplotlib, Tensorflow
Mobile Development	: Android Studio
Embedded System	: Arduino, Raspberry Pi
Robotics and Automation	: ROS2
Circuit Design and Simulation	: Fritzing, Gazebo
Design and Prototyping Tools	: Adobe (Photoshop, Illustrator, Premiere Pro), Draw.IO
3D Design	: Sketch Up.

PROJECTS:

- **ADOAVER**
Senior Design Course Project
 AOEVER 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. (To learn more visit: saifahammod.me/research)
- **Shouhardo**
Thesis Project
 Shouhardo is a platform through which users can access advanced medical information without the assistance of third parties. (To learn more visit: saifahammod.me/research)
- **Assist Senior Citizens And Disabled People By Detecting The Hand Gesture**
Junior Design Course Project
 AOEVER 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. (To learn more visit: saifahammod.me/research)

RESEARCH INTEREST:

- Artificial Intelligence & Robotics
- Image Processing And Computer Vision

PUBLICATIONS:

- **Refereed Journal:**
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:**
Alpha-N: Shortest Path Finder Automated Delivery Robot with Obstacle Detection and Avoiding System.
 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.
 Asian CHI Symposium 2022 Special Publication
 ISBN: 978-0-9942763-2-2

TRAINING:

- **Robotics Workshop**
[Organized by NSU ACM Student Chapter](#)
Summer 2018
- **Android Workshop**
[Organized by NSU ACM Student Chapter](#)
Summer 2018
- **Workshop on Linux 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](#)

AWARDS & CERTIFICATES:

- **1st Runner Up In Robotics Workshop Based on Performance**
[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

I hereby declare that all the information provided in this CV is true and accurate to the best of my knowledge, and I accept full responsibility for any discrepancies or inaccuracies.

Md. Saif Ahammod Khan (E Signature)

Date: 8th October, 2024