

Syed Omar Faruk

E-mail : syed.o.faruk@gmail.com
Phone : +8801751034342

Website: www.towaha.me
Address: NLO Lab, A Building (Room:312B),
Shahjalal University of Science and
Technology

Work experience

AuthLab

Oct 2018 — Present

Data Scientist

I am working with TensorFlow and Apache Hadoop.

HEXit

Mar 2017 — May 2018

Co Founder and CTO

A tech startup; I worked as the Chief Technology Officer I designed and planned the tech products, conducted meetings, made budgets and I trained around 20 employees about soft skill.

Education

B.Sc.(hons.)

Jan 2012 — Dec 2017

Shahjalal University of Science and Technology

My major was Physics I also did a joint major in Computer Science and Engineering.

Personal Background

I am fluent in English and Bangla. I have practical experience with a number of programming languages including C, C++, Java, Python, R, Swift, C#, Rust etc. I have a strong background with server-side programming and networking along with big data analysis and neural networking. I have good proficiency in algorithm designing and making tasks simpler for a computer. I am a super-fast learner and I know how to do things in the shortest possible ways with the simplest techniques. I do have the practice to keep things documented.

Publications

Building Smart Drones with ESP8266 and Arduino [Book]

February 2018

Publisher: PacktPub, Birmingham, UK

Amazon Link: <https://www.amazon.com/Building-Smart-Drones-ESP8266-Arduino/dp/1788477510>

Publisher Link: https://www.packtpub.com/mapt/book/hardware_and_creative/9781788477512

Introduction to Rust Programming [Video]

December 2017

Publisher: PacktPub, Birmingham, UK

SafariBook Link: <https://www.safaribooksonline.com/videos/introduction-to-rust/9781786466068>

Publisher Link: <https://www.packtpub.com/application-development/introduction-rust-programming-video>

Learning c for Arduino [Book]

March 2017

Publisher: PacktPub, Birmingham, UK

Amazon Link: <https://www.amazon.com/Learning-Arduino-Syed-Faruk-Towaha/dp/1787120090>

Publisher Link: <https://www.packtpub.com/networking-and-servers/learning-c-arduino>

JavaScript Projects For Kids [Book]

February 2016

Publisher: PacktPub, Birmingham, UK

Amazon Link: <https://www.amazon.com/JavaScript-Projects-Kids-Faruk-Towaha/dp/1785287176>

Publisher Link: <https://www.packtpub.com/web-development/javascript-projects-kids>

Rust Essentials [Book] (Reviewed)

February 2016

Publisher: PacktPub, Birmingham, UK

Amazon Link: <https://www.amazon.com/Rust-Essentials-Ivo-Balbaert/dp/1785285769>

Publisher Link: <https://www.packtpub.com/application-development/rust-essentials>

Learning Rust [Video] (Reviewed)

September 2018

Publisher: PacktPub, Birmingham, UK

Publisher link: <https://www.packtpub.com/application-development/learning-rust-video>

Quick Rust Guide [Book] (Reviewed)

December 2018

Publisher: PacktPub, Birmingham, UK

Publisher Link: <https://www.packtpub.com/application-development/rust-quick-start-guide>

Laboratory Experience

INNOVATION LAB, SUST

January '13-Present

I have been working with the Innovation Laboratory as an inventor with a number of things like electronics, optics and IoTs.

Non-Linear Optics Research Lab, SUST

March '15-Present

I have been working in this laboratory as a research assistant with cluster computer 's documentation and deep learning experiments used for the data analysis by the scientists.

Bio-Physics Research Lab, SUST

February '17-Present

I have been working as a technical assistant with this lab for some technical stuff like networking and security issues when needed for research equipment.

Seminars And Conferences Attended

Open Seminar (PhD)

August 2018: Department of Physics, Shahjalal University of Science and Technology

International Conference on Bangla Speech and Language Processing, Sylhet

July 2018: Department of CSE, Shahjalal University of Science and Technology

5th Annual Research conference, Sylhet

January 2018: Mini Auditorium, Shahjalal University of Science and Technology

International Conference on Physics, Dhaka

March 2016: Atomic Energy Centre, Dhaka; BRAC University

Conference on research findings, Sylhet

January 2016: Mini Auditorium, Shahjalal University of Science and Technology

Seminar on the implementation of renewable energy, Sylhet

November 2014: Central Auditorium, Shahjalal University of Science and Technology

Seminar on Professional Skill Development, Sylhet

November 2014: Mini Auditorium, Shahjalal University of Science and Technology

Awards And Scholarships

Joy Bangla Youth Award

December 2015, Awarded for spreading astronomy all over Bangladesh

School Secondary Certificate Scholarship, Bangladesh Government.

January 2010-'11, Awarded for outstanding results in Sylhet Division.

Rotarian Scholarship, Rotary Club.

January 2008-'10, Awarded for outstanding results in Sylhet Division by the Rotary Club Bangladesh.

Junior School Scholarship, Bangladesh Government

February 2006, Awarded for outstanding results in Sylhet division.

Primary School Scholarship, Bangladesh Government

January 2003, Awarded for outstanding results in Sylhet division.

Volunteer Experience

Representative, Mozilla

2015-Present: I have been representing Mozilla thus the open source officially from February 2015; Arranged a lot of

awareness events and participated in a number of events of Mozilla. <https://reps.mozilla.org/u/soft/> ,
<https://mozillians.org/en-US/u/soft/>

President, CAM-SUST

2015-2016: An astronomical organization; worked with astronomy to be spread among the school kids; organized events with NASA, UNICEF etc.; given talks to programs; nominated for Young Bangla Youth Award 2015; <http://cam-sust.org>

General Sactratry, IT, CAM-SUST

2013-2015: Designed and developed all technology related things needed for CAM-SUST including websites, mobile applications, management software etc.; <http://www.worldspaceweek.org/news/world-space-week-2014-bangladesh/> ,
<https://www.youtube.com/user/camsust>

Trainer, CRI

2017-2018: I trained in schools and college students programming under the research organization of Bangladesh Government.

Volunteer and Organizer, Physics Olympiad

2012-2018: I had been volunteering Physics Olympiad since 2012 that includes managing the Olympiad, organizing the Olympiad, reviewing the question papers etc. <https://drive.google.com/file/d/0B20tuQExLUnITHBHRmhpkpCQVk/view?usp=sharing>

Organiser, World Space Week

2014-2015: I organized World Space Week in Bangladesh for the first time along with an astronomical organization.

Problem solver, uHUNT

2016-2017: I used to solve problems in uHunt. I solved 218 problems. <http://uhunt.onlinejudge.org/id/422853>

Software Developer, SUST Drone Team

2014-2015, I used to make software for drones when I was involved in the team. I was the only programmer and software developer at that time. <https://youtu.be/RrSb-jD5--4?t=11m2s>

Co-Founder, CAM-SUST

2012: I, along with few other students of my university, founded an Astronomical club on my campus. It is doing great being the first astronomical organization in my university and the city.

Trainings

LICT Training (Java Track and Soft Skill)

September 2016 -2017

Bangladesh Computer Council, Bangladesh ICT Division, License Number: G003859

Affiliation

IEEE

2014-2016, Student Member

CAM-SUST

2013-Present, Advisor