

Md. Nazmul Haque

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Summary

Former Software Engineer at Samsung R&D Institute Bangladesh. Masters and Bachelors in Software Engineering from Institute of Information Technology (IIT), University of Dhaka. I am interested in machine learning especially deep learning based research area.

Work Experience

Samsung R&D Institute Bangladesh

SOFTWARE ENGINEER

Dhaka, Bangladesh

April 2018 - Jan. 2019

- Windows Application Development Team in Mobile Application Group 2 (MAG2)

Institute of Information Technology, University of Dhaka

SHORT COURSE INSTRUCTOR

Dhaka, Bangladesh

Jan. 2019 - August 2020

- Worked as an instructor in different short courses regarding “Matlab, Origin and Latex”, “Web design using HTML/CSS/JavaScript” and “Office Application for Smart Office”

Datasoft System Bangladesh Limited

SOFTWARE ENGINEER INTERN

Dhaka, Bangladesh

Jan. 2017 - June 2017

- Involved with developing two in-house automation projects
- One project was developed using programming language C# and MVC .NET web framework

Education

Institute of Information Technology(IIT), University of Dhaka

MASTER OF SCIENCE IN SOFTWARE ENGINEERING

Dhaka, Bangladesh

Jan. 2019 - June 2020

- CGPA: 3.85/4.00 (Position 3rd)
- Masters Thesis: Feature selection on high dimension low sample size data

Institute of Information Technology(IIT), University of Dhaka

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

Dhaka, Bangladesh

Jan. 2014 - Dec. 2017

- CGPA: 3.81/4.00

Abdul Karim Sarkar College, Tanore, Rajshahi

HIGHER SECONDARY SCHOOL CERTIFICATE

Rajshahi, Bangladesh

2012 - 2013

- GPA: 5.00/5.00

Ramgaon Shahapur (R.S) High School, Naogaon

SECONDARY SCHOOL CERTIFICATE

Rajshahi, Bangladesh

2006 - 2011

- GPA: 5.00/5.00

Publications

1. **Md. Nazmul Haque**, Sadia Sharmin, Amin Ahsan Ali, Abu Ashfaqur Sajib and Mohammad Shoyaib, “Use of relevancy and complementary information for discriminatory gene selection from high-dimensional cancer data”, *PLOS ONE*, 2020. [Conditionally Accepted].
2. **Md. Nazmul Haque**, Mahir Mahbub, Md Hasan Tarek, Lutfun Nahar Lota, and Amin Ahsan Ali, “Nurse care activity recognition: a GRU-based approach with attention mechanism” *In Adjunct Proceedings of the 2019 ACM International Joint Conference on Pervasive and Ubiquitous Computing and the 2019 International Symposium on Wearable Computers (UbiComp/ISWC '19 Adjunct)*
3. **Md. Nazmul Haque**, M Tanjid Hasan Tonmoy, Saif Mahmud, Amin Ahsan Ali, Muhammad Asif Hossain Khan, Mohammad Shoyaib, “GRU-based Attention Mechanism for Human Activity Recognition”, *ICASERT-2019: 1st International Conference on Advances in Science, Engineering and Robotics Technology*.
4. Fazle Rabbi, **Md. Nazmul Haque**, Md. Eusha Kadir, Md. Saeed Siddik and Ahmedul Kabir, “An Ensemble Approach to Detect Code Comment Inconsistencies using Topic Modeling”, *The 32nd International Conference on Software Engineering and Knowledge Engineering, SEKE 2020, KSIR Virtual Conference Center, USA, July 9-19, 2020*.
5. Sayeda Shamma Alia, **Md. Nazmul Haque**, Sadia Sharmin, Shah Mostafa Khaled, Mohammad Shoyaib, “Bug Severity Classification Based on Class-Membership Information”, *2018 Joint 7th International Conference on Informatics, Electronics and Vision (ICIEV) and 2018 2nd International Conference on Imaging, Vision and Pattern Recognition (icIVPR)*.

Achievements

- 2020 **ICT fellow**, Awarded as an ICT fellow under ICT Division Bangladesh
- 2018-19 **ICT fellow**, Awarded as an ICT fellow under ICT Division Bangladesh
- 2007 **Scholarship**, Board scholarship in Junior Secondary
- 2004 **Scholarship**, Board scholarship in Primary

Dhaka, Bangladesh
Dhaka, Bangladesh
Rajshahi, Bangladesh
Rajshahi, Bangladesh

Academic Projects

Object detection

RESEARCH BASED ACADEMIC PROJECT

Jul. 2017 - Nov. 2017

- A deep learning approach that simultaneously detects different objects in a single image and objectness scores at each position.
- Python 2.7 and tensorflow framework for Development

Graduate Record Validation System

COURSE WORK

Aug. 2017 - Oct. 2017

- A web-based system for validating a graduate student
- Developed using PHP, Laravel, MySQL

Event Management System

WORKED IN A TEAM WITH 4 MEMBERS

Sep. 2016 - Nov. 2016

- A web based event management application that provides most of the basic functionalities required for an event with event name, description, start date and duration. Each event may contain multiple sub-events, which will be managed by event creator called event manager.
- Event manager can turn off / on notification of own events, even for sub-events. It is allowed to change ownership of an event or even delete it
- To avoid repetitive creation of similar events, admin can add some template events. These are reusable for creating further similar events. Templates will have all similar fields and sub-events like an event except start date and description. Use of templates have advantages like auto-filled fields and auto added sub-events
- Members have choice to receive notification of events. Users will be notified for running and upcoming events. Every membership approval request will be sent to the event manager. System admins have full control over the system.
- Developed using PHP, MySQL.

Ekushey Online Code Editor

DEVELOPED AS A SINGLE PERSON PROJECT

Feb. 2016 - May 2016

- A web based code editor that provides programmers to write code with proper suggestions and templates on C and C++ programming languages.
- Developed using PHP, MySQL.

Call Graph

WORKED IN A TEAM WITH 3 MEMBERS

Feb. 2015 - May 2015

- A desktop based application to represent calling relationship between functions and variables in a C programming language.
- Provides better understanding of a program or as a basis for further analyses such as tracking the flow of values between procedures and the change of value of variables in a program.
- Developed using Java.

Sudoku game

WORKED IN A TEAM WITH 2 MEMBERS

July. 2014 - Nov. 2014

- A desktop based application to play game with three different level (easy, medium, hard).
- Provide hints to the players.
- Developed using Java

Skills

Programming	Python 3.5, Matlab 9.5 (R2018b), Java7/8, C, PHP7, Javascript, C#, C, C++
Frameworks	ASP.NET MVC5, Angular 4.0, AngularJS, Bootstrap 3
Tools	Anaconda, Pycharm, Eclipse Luna, Visual Studio 2015, Git
Operating System	Linux (Ubuntu 14.04, 16.04, 18.04), Windows 8.1/10
Databases	MySQL, Microsoft SQL Server

Extracurricular Activity

Artificial Intelligence Review Journal

REVIEWER

International Journal

June 2020 - Present

Datasoft System Bangladesh Limited

VOLUNTEER

Commencement ceremony

March 2017

Graduation Tour

CORE ORGANIZER

India

Feb. 2017 - Mar. 2017

Fresher Reception & Farewell program

CORE ORGANIZER

IIT

2016

DevOps Workshop

CORE ORGANIZER

IIT, DU

2019

SUST IUPC & QAAIPC

CONTESTANT

IIT, DU

2014-2015

Online Problem solving

PROBLEM SOLVER

2015-2018

- UVA online judge:146
- URI online judge: 165
- Code forces online judge-232
- lightOJ -56

References

Dr. Mohammad Shoyaib

Professor

Institute of Information Technology

University of Dhaka.

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Dr. Kazi Muheymin-Us-Sakib

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Institute of Information Technology

University of Dhaka.

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