

# Md Hasanur Rahman

mdhasanur-rahman@uiowa.edu

Portfolio: [hasanur-rahman.github.io](https://hasanur-rahman.github.io)

Github: [hasanur-rahman](https://github.com/hasanur-rahman)

## EDUCATION

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- **University of Iowa** Iowa, USA  
*PhD in Computer Science* *Aug 2021 - Present*  
*I am currently working under the supervision of Dr. Guanpeng Li. My research mainly lies in the area of system dependability, which focuses on fault tolerant computer system.*
- **Bangladesh University of Engineering and Technology** Dhaka, Bangladesh  
*BSc in Computer Science and Engineering* *Feb 2015 - Apr 2019*  
*In my undergrad years, I was involved in problem solving, programming contest and hackathons . I participated numerous intra-university, NCPC, ICPC preliminary contests. I've had a decent codeforces participation. I also did my undergrad thesis under Dr. M. Kaykobad on improving minimum spanning tree algorithm runtime.*

## SKILLS SUMMARY

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- **Languages:** Python, C, C++, SQL, Bash, JAVA, Swift, Objective-C
- **Tools:** Docker, GIT, MySQL
- **Platforms:** Linux, Web, Windows
- **Soft Skills:** Time Management

## EXPERIENCE

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- **Samsung R&D Institute, Bangladesh** *May 2019 - Jul 2021*  
*Software Engineer*
  - **iOS project:** I was involved to develop numerous APIs that were used as communication bridges between client and server.

## PUBLICATIONS

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- **Peppa-X: Finding Program Test Inputs to Bound Silent Data Corruption Vulnerability in HPC Applications:**  
Authors: Md Hasanur Rahman, Aabid Shamji, Shengjian Guo, Guanpeng Li  
SC'2021: International Conference for High-Performance Computing, Networking, Storage and Analysis

## PROJECTS

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- **Disease prediction BOT:** This project was designed for Tadhack Hackathon, Bangladesh. I along with three other classmates, participated in this hackathon in 2018. The idea was to predict a disease given some symptoms.
- **Data Science Projects:** I've interest in artificial intelligence and related things. So I developed several AI and others projects such as image classifications, car sales prediction, movie recommender systems etc.
- **Ecommerce App:** I along with other classmates developed this app as a semester final project. This app is developed in Android with the help of offline My-SQL database.

## HONORS AND AWARDS

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- Second Runner's Up at Tadhack Hackathon - 2018
- 9th at National Collegiate Programming Contest, Bangladesh - 2017
- Google codejam and kickstart certificates - 2016, 2017, 2018, 2020

## EXTRA-CURRICULAR ACTIVITIES

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- **Expert(max) in Codeforces**  
*Profile*
- **Medium Writings**  
*Profile*