



S. M. TANVIR RAHMAN

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OBJECTIVE

To be research oriented software engineer with the collaboration of a company that helps to enhance my knowledge, skills and research field with sheer determination, dedication and hard work. Aiming to use best of the limited available resources to make the world more economically beneficial in accordance with the Industrial Revolution 4.0.



ABOUT ME

Recently I'm done with the research on "Crowdsourcing" supervised by Professor Dr. Md. Abdur Razzaque (University of Dhaka, Bangladesh). Our work on crowdsourcing was aiming to solve the problem of unemployment and the distribution of social resources fairly among the investors, employers and employees, while keeping the geographical fairness in priority. My goal is to implement this research project, which in long term can remove so many problems that we have experienced badly in the covid-19 pandemic scenario. The implemented platform we believe will be able to make a huge impact in the society specially for the countries like Bangladesh where we have human resources but not so good procedures to utilize this huge human and social resources efficiently. The term social resources represent all technical equipment, monetary value, assets, goods and products including everything that contribute in the economy.



RESEACH AND PUBLICATIONS

1. "Reputation Aware Fair Worker Selection in Collaborative Software Crowdsourcing"
Presented on-
3rd INTERNATIONAL CONFERENCE ON SUSTAINABLE TECHNOLOGIES FOR
INDUSTRY 4.0, STI 2021.
Published on- IEEE Xplore digital library.
2. "Work distribution in software crowdsourcing by ensuring equilibrium quantity in
geographical involvement of crowd workers". (To be published)
3. "AI powered handwriting recognition system for individuals in remote virtual exam
through touch input panel". (Ongoing research project)



EDUCATION

MSc in Computer Science & Engineering | BRAC University

Dhaka, Bangladesh.

2022 – On Going

BSc in Computer Science & Engineering | Green University of Bangladesh

Dhaka, Bangladesh.

2018 – 2021

CGPA 3.97/4, Vice Chancellor award in all semesters, 8 projects and 1 research paper published in an International Journal and other adjacent contributions.

**Bachelor of Engineering (Mechanical) | Institute of Engineers Bangladesh
(Host- Bangladesh University of Engineering and Technology)**

Dhaka, Bangladesh.

2011 – 2014

Professional certification examination

**Diploma in Engineering (8 semesters/ 4 Years, MOI-English) | Faridpur Polytechnic
Institute**

Faridpur, Bangladesh.

SESSION (2006-2007)– (2009-2010)

CGPA 3.71/4, Government Scholarship in all semesters

Higher Secondary School Certificate in Science | Tejgaon College

Dhaka, Bangladesh.

SESSION (2002-2004)

Incomplete.

Secondary School Certificate in Science | Naria B. L. High School

Shariatpur, Bangladesh.

SESSION (2000-2002)

GPA 4.13/5

Junior School Certificate (Equivalent) | Naria B. L. High School

Shariatpur, Bangladesh.

SESSION (1998-1999)

Govt Talent pool Scholarship (1st in Zone)

Primary School Certificate (Equivalent) | Naria Govt. Primary School

Shariatpur, Bangladesh.

SESSION (1995-1996)

Govt. Scholarship (1st in Zone)



TRAINING

CCNA | AIUB (American International University Bangladesh)

Dhaka, Bangladesh (2014/8/1- 2014/8/17)

-Cisco Certified Network Associate.

Trainee | DUET (Dhaka University of Engineering and Technology)

Gazipur, Bangladesh (2014/8/1- 2014/8/17)

-iOS Development, Objective C.

Trainee | Grameen Solution Center

Faridpur, Bangladesh (2009/10 – 2010/03)

-Hardware Resource Sharing, Networking, Real Time Interfacing, Web programming and Design.

Trainee | Bluebird Multimedia

Faridpur, Bangladesh (2009/10 – 2009/12)

-Brand Message, Advertisement, Information Mobility, Hard Working, Cooperative Achievements.



UNDERGRADUATE PROJECTS

1. Hardware based password protection system for internal computer components with DL (01/2019 - 04/2019)
2. User Interactive console app to solve and simulate different algorithms (05/2019 - 08/2019)
3. A database model to manipulate peoples based on the DNA tracking for the futuristic government system (09/2019 – 12/2019)
4. A C based application to solve statistical problems (10/2019 – 12/2019)
5. "Researcher's Diary", a prototype model to demonstrate the editing, viewing, brainstorming and many other features for the research works (10/2020 – 12/2020)
6. "TextDraw", a Java based communication app with whiteboard annotation and file sharing (10/2020 – 12/ 2020)
7. Deploying websites from scratch and CMS hosting (e. g. WordPress, Joomla) with plugins in server, also providing FTP service and database access for remote users. (01/2020 – continue)
<http://www.kindresource.com>
8. DXam – Digital Exam In this project the goal is to deliver a device and software in a package for both the teachers and students where AI powered handwriting recognition system will be used for examinee. (10/2021- continue)



KEY SKILLS

- Algorithmic Logic Implementations
- Software Requirement Analysis
- Raw Coding (Python, C, PHP)
- Design Interactions
- System flow and vulnerability
- System Documentation
- System Administration
- Server Management
- Database Management
- Feature Analysis of System Domain



COMMUNICATION SKILL

Fluent in English reading and writing, excellent in presentation. The following link will show a demonstration of vocal presentation <http://kindresource.com/tanvir/ref/myvoice.mp4>.



EXTRACURRICULAR ACTIVITIES

- In high school, I was the leader of our Scouts team. I lead my team in the National Scout Jamboree (NSTC Mouchak, Gazipur). I achieved the badge for being the fastest to overcome the obstacle section along with other 11 badges in total. Scouting provided me with a variety of life skills, leadership and responsibilities.
- I participated in many sports events in collaboration with the institute's cricket, football and badminton teams.
- I have participated in various online courses from many renowned universities around the world. e.g. HarvardX, MITX.
- I am somehow involved in literature works, I have written numerous numbers of songs and poems in both Bengali and English (mostly) languages. Though not published yet in publicly but, there includes a short science fiction too written in English.



REFERENCE

Reference 1	Reference 2
Dr. Md. Abdur Razzaque Professor, University of Dhaka, Bangladesh. Department of CSE. Advisor, Green University of Bangladesh. Department of CSE. Email: razzaque@cse.green.edu.bd Phone: +8801841066390 Affiliation: Undergraduate Research Supervisor	Dr. Mahbubul Haque Senior Consultant, Pediatrics. BCS health 25th, Bangladesh. BMDC, Dhaka University. Reg No. 39306 Email: mhaqbo@gmail.com Phone: +8801718304248 Affiliation: Brother-in-Law



SIGNATURE AND DECLARATION

I hereby confirm that all the information mentioned in this CV is accurate and, I solely responsible for the correctness.