

# Habibur Rahman

- 📍 Rajshahi, Bangladesh
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## Career Objective

To secure a position where I can use my analytical skills, abilities and competitive programming experiences to tech students.

## Research Interests and Current Endeavors

- Natural Language Processing
- Algorithm
- Data Science
- Machine Learning
- Sentiment Mining

## Educations

- 2017**      ***Bachelor of Science in Computer Science and Engineering***  
**Rajshahi University of Engineering & Technology**  
CGPA: **3.77** out of 4.00 (Up to 7<sup>th</sup> Semester)
- 2012**      ***Higher Secondary Certificate***  
**Alimuddin Degree College, Hatibandha, Lalmonirhat**  
GPA: **5.00** out of 5.00 (Without 4<sup>th</sup> Subject)  
**Board:** Dinajpur
- 2010**      ***Secondary School Certificate***  
**Parulia Schedule Caste Bi-Lateral High School and College, Lalmonirhat**  
GPA: **5.00** out of 5.00 (Without 4<sup>th</sup> Subject)  
**Board:** Dinajpur

## Undergraduate Research

- **Learning to Solve Percentage Word Problems by Parsing into Equations**  
Field: **Natural Language Processing**
  - Semantic Parsing to generate equations
  - Train a local and global model based on the equation and actual result
  - Predict equation based on score from local and global model in testing
- **A time and cost effective model for Sentiment Mining**  
Field: **Natural Language Processing**
  - Fast and efficient model for sentiment mining using Logistic Regression
  - Truncated Singular Value Decomposition (TSVD) for Dimension ReductionStatus: Submitted in **IC4ME2-2018**, Rajshahi, Bangladesh

## Work Experiences

- **Camp Instructor for Fresher's - 2017**
  - Intro to Contest Programming
  - Basic Algorithm and Data Structure Introduction
- **Problem Setter and Judge**  
"Devskill Coding Contest - 15", "Codemash'17"
  - Setting Problems for the contests
  - Judging at the time of contest

## Training

- **Programming Camp - 2013**
  - Math, Dynamic Programming, Data Structure, and Problem Solving
  - Conducted by - **Md. Mahbubul Hasan**, World Finalist - 2008 & 2009
- **Programming Camp - 2015**
  - Advance Dynamic Programing, Combinatorics, and Advance Graph Theory
  - Conducted by - **Syed Shariar Manjur**, World Finalist - 2014
- **Programming Camp - 2017**
  - Convex Hull Optimization, 2 SAT, Palindromic Tree, and Suffix Automata
  - Conducted by - **Sakibul Mowla**, World Finalist - 2015 & 2016

## Competitive Programming Activity

- Participated in the **ACM-ICPC** Dhaka Regional in 2016, Team: RUET\_OSIRIS;
- Participated in the **National Collegiate Programming Contest** in 2015 as Team: RUET\_GALLINULE and 2016 as Team: RUET\_Breaking\_Condition;
- Participated in the **Cybnauts'16 National Programming Contest** in 2016, Team: RUET\_GALLINULE;
- Participated in the **AB Bank IUT 8<sup>th</sup> ICT Fest Programming Contest** in 2016, Team: RUET\_OSIRIS;
- Runner up in the **RoboTour and Programming Contest, IEEE RUET Student Branch** in 2015, Team: RUET\_GALLINULE;
- Participated in the **BUET Inter University Programming Contest** in 2015, Team: RUET\_GALLINULE;
- Participated in the **RUET Intra University Programming Contest** in 2014, Team: RUET\_MACROS;
- Participated in **50+** contests in [Codeforces](#), Username: habib\_rahman, Rating: 1448;
- Participated in **20+** contests in [Codechef](#), Username: habib\_ruet, Rating: 1977;
- Participated in **15+** contests in [Toph](#), Username: habib\_rahman;
- Solved **195+** Problems in [Light OJ](#), User ID: 9823;
- Solved **175+** Problems in [Uva Online Judge](#), User ID: 234262
- Solved **25+** Problems in [SPOJ](#), Username: habib\_rahman

## Major Courses

- Computer Programming (C)
- Data Structure
- Object Oriented Programing (C++, Java)
- Discrete Mathematics
- Digital Techniques
- Algorithm Design & Analysis
- Numerical Method
- Finite Automata Theory & Pulse Technique
- Database Systems
- Software Engineering
- Microprocessors & Assembly Language
- Applied Statistics & Queuing Theory
- Operating System
- Computer Architecture
- Data Communication
- Peripherals & Interfacing
- Compiler Design
- Digital Signal Processing
- Information System Analysis
- Computer Network
- Computer Graphics
- Neural Networks & Fuzzy Systems
- Digital Image Processing
- Distributed & Parallel Processing
- Network Security
- VLSI Design
- Artificial Intelligence & Expert System

## Awards

- **ACM-ICPC Dhaka Regional-2016**  
Rajshahi Divisional Champion,  
Top 10 University Awards  
**Team:** RUET\_OSIRIS
- **RoboTour and Programming Contest, IEEE RUET, Student Branch**  
2015, Runners Up  
**Team:** RUET\_GALLINULE
- **Intra University Day Programming Contest, CSE, RUET**  
2014, 4<sup>th</sup> Position  
**Team:** RUET\_MACROS

## Certificates

- **Introduction to Python for Data Science, Data Camp**
- **Snack down 2016, 2017, Codechef**

And Many other certificates for participating in several contests and camps

## Field of Specialization

- **Programing Language:** C, C++, Java, Python, C#, PHP
- **Operating System:** Microsoft Windows (Win 7, 8, & 10), Linux (Ubuntu)
- **IDE:** CodeBlocks, Spyder, Eclipse, Netbeans, SublimeText, gedit, MATLAB
- **Database:** MySQL
- **Markup Language:** HTML, Markdown

## Professional Membership

- **RUET Analytical Programming Lab**  
“Competitive Programming Group and Lab in RUET”
- **Robotic Society of RUET (RSR)**  
“Robotics Group in RUET”

## Profiles

[LinkedIn](#) | [ICPCID](#) | [Github](#) | [Blog](#) | [Codeforces](#) | [Codechef](#) | [Uva Online Judge](#)  
[Toph](#) | [Light OJ](#) | [SPOJ](#)

## Languages

- English
- Bangla

## Personal Details:

**Father's Name** : Mozibar Rahman  
**Mother's Name** : Hamida Banu  
**Gender:** : Male  
**Marital Status** : Unmarried  
**Date of Birth** : 26<sup>th</sup> September, 1993  
**Blood Group** : B+  
**Religion** : Islam  
**Nationality** : Bangladeshi  
**Current Address** : Room #116, Bangabandhu Sheikh Mujibur Rahman Hall, RUET, Rajshahi-6204, Bangladesh  
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## References

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**Firoz Mahmud,**  
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## Declaration

I, hereby declare that the above information is true and I will be responsible for any wrong information.

Yours Sincerely,

(Habibur Rahman)