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 7th Semester)

2012   ***Higher Secondary Certificate***
Alimuddin Degree College, Hatibandha, Lalmonirhat
GPA: **5.00** out of 5.00 (Without 4th Subject)
Board: Dinajpur

2010   ***Secondary School Certificate***
Parulia Schedule Caste Bi-Leteral High School and College, Lalmonirhat
GPA: **5.00** out of 5.00 (Without 4th 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

- **Time and Cost Effective Model for Classification Sentiment Review**
  Field: **Data Mining & Machine Learning**
    - Fast and efficient model for sentiment analysis using Logistic Regression
    - Truncated Singular Value Decomposition (TSVD) for Dimension Reduction
  Status: 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

Competitive Programming Activity

- Participated in the **ACM-ICPC** Dhaka Regional in 2016,
- Participated in the **National Collegiate Programming Contest** in 2015, 2016,
- Participated in the **Cybarnauts'16 National Programming Contest** in 2016**,**
- Participated in the **AB Bank IUT 8th ICT Fest Programming Contest** in 2016,
- Runner up in the **RoboTour and Programming Contest** in 2015,
- Participated in the **BUET Inter University Programming Contest** in 2015,
- Participated in the **RUET Intra University Programming Contest** in 2014,
- 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

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

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, 4th 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	: 26th September, 1993
Blood Group	: B+
Religion	: Islam
Nationality	: Bangladeshi
Current Address	: Room #116, Bangabandhu Sheikh Mujibur Rahman Hall, RUET, Rajshahi-6204, Bangladesh
Permanent Address	: Village: South Parulia, PO: South Parulia, Upazilla: Hatibandha, Zilla: Lalmonirhat
Mobile No.	: +88 017 39 83 48 66

References

Dr. Boshir Ahmed,
Professor,
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Firoz Mahmud,
Assistant Professor,
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    fmahmud@ruet.ac.bd

Declaration

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

Yours Sincerely,

(Habibur Rahman)