

# Maruf Hassan

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## CONTACT

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## EDUCATION

**Bachelor of Science in Computer Science and Engineering**  
International Islamic University Chittagong. Bangladesh. 2012 - Present  
CGPA: 3.66/4.0 (Completed 156/161 credits, only thesis left)  
Thesis: *Emotion Detection from Text Using Skip-thought Vectors*

## VOLUNTEER EXPERIENCE

**Community Mentor (Jan 2018 - Present)**  
Coursera  
Mentor for the Course "**Java Programming: Solving Problems with Software**" by Duke University

## PROBLEM SOLVING

Solved over 178+ programming problems on UVA online judge.  
UVA username: maruf\_hassan

## ACADEMIC PROJECTS

- 1) Crime Spot Mapper (Group Project – 2 members)  
It's a Google Map based Android Application. Through this App people can mark crime spots. Nearest police stations can be found. Police can detect those marked spots and will take proper actions
- 2) FixMyArea (Group Project – 4 members)  
Developed a web and android based application named "FixMyArea" which aims to make a clean & green city. Citizen of a city can easily report their area's problem to the authority through this app.
- 3) Developed a clone of the "Picture Puzzle" & "Cannon Shot" game using Android Development Tools
- 4) Developed a clone of the "Simple Calculator" with voice command, "Amar Bornomala", "CSEDictionary", "Notebook" apps using Android Development Tools

## TECHNICAL SKILLS

**Languages:** Java(**Proficient**), Python, MATLAB, C, C++, PHP, SQL, HTML, CSS, Javascript

**Programming IDEs:** IntelliJ IDEA, Eclipse, PHP Storm

**Operating Systems:** Windows, Linux

**Other Tools:** Git, Github

## CERTIFICATION & ACHIEVEMENTS

- 1) National Mobile Application Trainer and Innovative Application Development Program  
Organized by ICT Division of Bangladesh Government  
Duration: 3 months (Mar 2015 – May 2015)
- 2) Certificate in Web Application Development – PHP

Conducted by BASIS Institute of Technology & Management  
Duration: 3 months (Sep 2016 – Nov 2016)

3) Achievement of 1st prize in Stellar Hackathon'17

Category: Smart City

Developed a web and android based application named "FixMyArea" which aims to make a clean & green city.

Date: 18 Feb, 2017

## **ONLINE COURSES**

1) Applied Data Science with Python, a 5-course specialization by University of Michigan on Coursera. Specialization Certificate earned on November 10, 2017

Duration: 20 Weeks

Tools used: python toolkits such as pandas, matplotlib, scikit-learn, nltk, and networkx

Course includes:

- i. Introduction to Data Science in Python
- ii. Applied Plotting, Charting & Data Representation in Python
- iii. Applied Machine Learning in Python
- iv. Applied Text Mining in Python
- v. Applied Social Network Analysis in Python

2) Machine Learning by Stanford University on Coursera. Certificate earned on August 15, 2017

Duration: 11 Weeks

Tools used: Matlab, octave

3) Java Programming: Solving Problems with Software by Duke University on Coursera. Certificate earned on November 29, 2017

4) Java Programming: Arrays, Lists, and Structured Data by Duke University on Coursera. Certificate earned on December 22, 2017

## **GITHUB PROFILE**

The code and documentation of several projects, competitions, and class assessments are shared on <https://github.com/MarufHassan>

## **CITIZENSHIP**

Bangladeshi

## **LANGUAGES**

English (Fluent) and Bengali (Native)

## **MEMBERSHIP**

Computer Club, International Islamic University Chittagong, 2012-present

## **REFEREE**

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International Islamic University Chittagong

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