# 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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