



NZ

Nasif Zaman

CSE Graduate

Summary

- My main area of interest is **3D Photogrammetry**. I have a special interest in working with **Geographical Information Systems** and **Cartography**. I have completed a project on **Map Digitization** as part of my undergraduate thesis. I plan to pursue higher education on **Geomatics** and Photogrammetry and a solid field knowledge would be very helpful in that regard. I have a working knowledge of **ArcMap**, **ArcScene** and their **python APIs**. I am proficient in Data Extraction and Visualization with **NumPy**, **OpenCV**, **Matplotlib**. I have had experiences with **MaskRCNN**, **OCR CNN** and other image analytic deep neural networks.



Education

2014-07 -
2018-10

- **Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh**
 - B.Sc. in Computer Science and Engineering
 - CGPA - 3.31/4.00

2008-01 -
2013-01

- **Dhaka Residential Model College, Dhaka - 1205, Bangladesh**
 - HSC (2013) GPA - 5.00/5.00
 - SSC (2011) GPA - 5.00/5.00

Skills

- **Language:** Python, C++, SQL, Java
- **Web Framework:** Django
- **3D Graphics Framework:** Unity3D, ArcScene
- **Scripting:** LaTeX, Bash
- **Hardware:** ATmega32, Arduino
- **Database:** ArcGIS, Oracle
- **Problem Solving:** Codeforces Profile: <https://codeforces.com/profile/Hektor>



Personal Info

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Date of birth

1995-11-03

GitHub

<https://github.com/Znasif>

LinkedIn

<https://www.linkedin.com/in/nasif-zaman-9683309a/>

Projects

- **Research Experience:** Undergraduate Thesis on **Mouza Map Digitization**
Advised by **Prof. Dr. Monirul Islam** (September 2017 to October 2018)
- **Machine Learning Projects:** Bangla Numeral Detection and Recognition in
Scanned Mouza Maps with MaskRCNN and OCR
- **Software Projects:** 1. Plot Information Management System (Django) 2.
Multi Tab Web Browser (Java) 3. 2D Racing Car (C)
- **Hardware Projects:** 1. 2-Player Ludo Game (Variants: Player1 vs Robot
and Player1 vs Player2) (ATmega32 and LED Matrix) 2. Grid Solving Robot
(Arduino Uno and IR-Sensor)