



Ovi Paul

Computer Engineer

- 3rd February, 1997
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About Me

Highly motivated and passionate about Data Science. Goal is to use my skills in machine learning, computer vision and statistical analysis to solve real-world problems. Firmly believe, experiences will help me to work as a competent engineer in the future.

Skills

Python, Matlab

C, C++, JAVA

HTML, CSS, JavaScript

LaTeX, Git, Linux

MySQL, NodeJS

Assembly Language

Language

- Bengali
- English
- Japanese
- French

Education

- 2015 – 2019 **Independent University, Bangladesh**
 - Majored in Computer Science & Engineering
 - Minored in Economics
- 2014 **St. Joseph Higher Secondary School**
Higher Secondary Education
- 2012 **Scholars**
Secondary Education

Experience

- May 2016 - Dec 2018 **Teaching Assistant** Independent University, Bangladesh
 - Responsibility involved helping students with coursework, taking lab classes and workshops. Courses assigned were Introduction to Programming(CSC101), Data Structure(CSC203) and Numerical Method(CSC317).
- Sep 2019 - Current **Research Assistant** Computer Vision & Cybernetics
 - Working with state of the art Deep Learning models, analyzing the whole architecture and finding ways to tweak the algorithm or add/replace various parts of the system to obtain higher accuracy. Along with it, collecting data and pre-processing the data to use on the model.

Project

- 2018 **Bangla handwritten alphabet recognition**
 - Android based application using a state of the art Deep Learning algorithm to develop the model.
- 2017 **Location Sharing**
 - Web based application that uses the google map api to share location to users.
- 2016 **Hospital Management System**
 - An application to manage the hospital system using JAVA.

Publications

- 2018 **Image Pre-processing on NumtaDB for Bengali Handwritten Digit Recognition** ICBSLP
 - Paul, Ovi. “Image Pre-processing on NumtaDB for Bengali Handwritten Digit Recognition.” 2018 International Conference on Bangla Speech and Language Processing (2018): 1-6.

Current Work

- On-Going **Satellite image Segmentation Using DeepLabV3+**
 - Segmenting satellite images into various classes using state of the art deep-learning model DeepLabV3+ by Google Inc. Ongoing experiments been proceeded to obtain accuracy higher than any other existing models.

Achievement

- 2018 **Intra IUB Programming Contest** IEEE
 - Winner
- 2018 **ICPC Asia Dhaka Regional Contest** ACM
 - Regional Qualifiers
- 2018 **2018 ICPC Bangladesh IUBAT NCPC** ACM
 - Regional Qualifiers
- 2017 **IEEE Day Programming Contest 2017** IEEE
 - Winner