



Nazmus Shakib Sayom

CS Enthusiast and Software Engineer

A fast learner with the ability of complex thinking, deep analysis and good experience in Software Development. Especially interested in system software, machine learning and embedded systems.

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EDUCATION

Undergraduate

American International University-Bangladesh

02/2017 – Present

CGPA 3.96

Department

- Computer Science and Engineering

Higher Secondary

Lalmonirhat Govt. College

04/2013 – 04/2015

GPA 5.00

Group

- Science

Secondary

Lalmonirhat Govt. High School

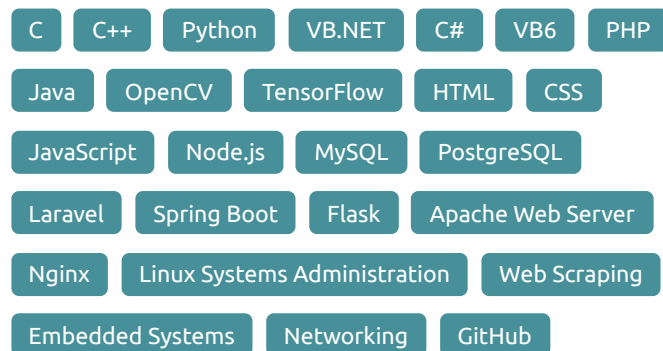
2013

GPA 5.00

Group

- Science

SKILLS & COMPETENCES



WORK EXPERIENCE

Software Developer

Pothiq Lab

02/2017 – 08/2019

This is a company involved in corporate software solutions and R&D Activities

- .NET Desktop Application Development (C# and VB.Net)
- RESTful Web API Development (Python Flask and PHP)
- Image Processing and Computer Vision (OpenCV)
- IoT and Embedded System Development (Raspberry Pi)

PERSONAL PROJECTS

Flight Delay Predictor (10/2019 – 12/2019)

- Machine learning project to predict Flight Delays with weather variables as features using gradient boosting.
- https://github.com/nsssayom/flight_delay_predictor

Theia OMR Scanner (11/2017 – 04/2018)

- Industrial Optical Mark Reader (OMR) solution that uses Computer Vision technologies to analyze OMR Sheets scanned with generic scanners developed with C++, OpenCV and VB.NET.
- https://github.com/nsssayom/Theia_OMR_Scanner

DePen (11/2019 – 12/2019)

- A text scanner device that uses camera technology and a custom-developed OCR software to display word definitions from paper.
- <https://github.com/nsssayom/DePen>

Traffic Control Assistance for Isolated Intersection (06/2019 – 08/2019)

- An academic research work to develop a system that uses google traffic data to assist traffic police in reducing congestion
- <https://github.com/nsssayom/traffic-semi-auto>

Earth & Fire (03/2017 – 04/2017)

- Wildfire prediction application developed for NASA Space App Challenge Hackathon using NASA Earth Science Satellite Data.
- <https://github.com/arman-bd/earth-and-fire>

ChatLite (09/2017 – 10/2017)

- Lite and secured cross-platform online chatting application built with C programming language.
- <https://github.com/nsssayom/ChatLite>

Unified User Platform (06/2018 – 09/2018)

- An experimental PHP RESTful API micro-framework for managing user registration, login, session management across multiple web application.
- https://github.com/nsssayom/user_platform_framework

Utopic Photo Viewer (05/2018 – 06/2018)

- A modern photo viewer for Windows with Natural Language Search, Online Backup and editor developed with .NET framework.
- <https://github.com/nsssayom/utopic>

E-commerce Chat Bot (08/2019 – 09/2019)

- An e-commerce chat-bot developed with Python Flask and deployed in Facebook Messenger Platform.
- <https://github.com/nsssayom/kathak>

Automatic Fire Alarm System (04/2013 – 10/2013)

- IoT solution for fire accident detection and sending distress signal to nearest rescue authority and property owner(s).

ACHIEVEMENTS

Dean's List Award (Fall 2019 and Spring 2019)
Champion of AIUB CS Festival (Mobile App) (2017)
Champion at AIUB Physics Quiz Competition (2017)
Champion in National Science Fair (2013)

PAPERS

Traffic Light Control Assistance for an Isolated Intersection in Dhaka City (06/2019 – 08/2019)

– <https://www.academia.edu/40986160/>

Realtime Indoor Positioning System Using Wireless Access Points(10/2019 – 12/2019)

– <https://www.academia.edu/41237427/>

REFERENCES

Dr. Khandaker Tabin Hasan

Associate Professor, AIUB

Contact: tabin@aiub.edu

Fahad Ahmed

Assistant Professor, AIUB [Currently on Leave for Higher Study]

Contact: fahad.ahmed.official@outlook.com

Hasan Basri Angel

Software Development Manager, Rakuten

Contact: angel_bd2@yahoo.com

Arman Hossain

Software Engineer, Rise Up Labs

Contact: arman@riseuplabs.com