ZABIR AL NAZI

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EDUCATION

B.Sc. in Electronics and Communication Engineering — Expected Graduation in March 2019
Khulna University of Engineering and Technology — CGPA: 3.43 / 4.00

Coursework: Data Structure and Algorithm, Database Management, Internet Programming, C Programming, Object Oriented Programming with C++, Digital Image Processing, Digital Signal Processing, Artificial Neural Network and Fuzzy Logic, Numerical Methods, Linear Algebra, Probability and Statistics, Multivariable Calculus, Computer Networks

Higher Secondary Certificate in Science — 2012 - 2014
RAJUK Uttara Model College — GPA: 5.00 / 5.00

WORK EXPERIENCE

Ice9 Interactive – Research Intern — November 2017 - February 2018

- worked on imagery data mining with different API services
- other activities: using computer vision techniques to extract features from street view images, training ML models to classify and localize objects, designing dynamic maps etc.

MazeGeek BD – Intern, Research Assistant I — May 2018 - Present

- worked on VINNDO platform, did some web scrapping
- working on deploying a ML model which can extract car features from images, localize car parts and automatic VIN detection system

SKILLS

Fields	Algorithms and DS, Computer Vision, Image Processing, Machine Learning, Embedded Systems, Robotics
Languages	C++, C, Matlab, GNU Octave, Python, C#, Javascript, PHP, Java
Operating System	Windows, Ubuntu
Frameworks / Tools	Keras, Flask, scikit-learn, OpenCV, Pandas, Bokeh, Jupyter Notebook, Spyder, CodeBlocks, Unity

PUBLICATIONS

Published

Information Prediction in Sensor Networks Using Milne-Simpson's Scheme, **International Conference on Advances in Electrical Engineering (ICAEE)**
Data Prediction in Distributed Sensor Networks using Adam-Bashforth Moulton Method, **Journal of Sensor Technology**

Accepted

Motor Imagery EEG Signal Classification Using Random Subspace Ensemble Method, **7th International Conference on Informatics, Electronics & Vision**

PROJECTS

Autonomous Driving System with Matlab

- I developed a toolbox to calibrate the car and get the images for training mode easily, used a simple distributed computing system with two laptops to speed up processing, ad-hoc image processing technique for lane detection and cascade classifiers for road sign detection

- https://github.com/zabir-nabil/autonomous-driving-system

ACHIEVEMENTS

ACM International Collegiate Programming Contest, Dhaka Regional (2015, 2016, 2017)

- https://icpc.baylor.edu/ICPCID/BIKBO2UHPKON

COMPETITIONS

Kaggle – Numta, Bengali Handwritten Digit Recognition Challenge

- Top 15%

- https://www.kaggle.com/furcifer

VOLUNTEER EXPERIENCE

· Algorithmic Problem Setter, CodeAssign (A Croatia based start-up)

· Assistant General Secretary, SGIPC (Club of competitive programming community in KUET)

· Secretary, IEEE KUET SB

· Software Team Lead, KUET Rover Makers (International Rover Challenge)

· Intro Python Instructor, Fab Lab KUET

· Technical organizer, TechNival (Biggest tech carnival launched by MEC, KUET)

· Lead, Technical Team, MEC (Manipulators of Electrons, a club of KUET ECE dept.)

Others

· Regional BACS Camp 2017, Khulna (Invited and participated)

· National BACS Camp 2017 (Invited and participated)