CURRICULUM VITAE OF
Md. Raine Islam

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--------------------Career Objective

Searching for a desirable opportunity with which I will have the scope in utilizing my skills and potentiality to do something innovative for the benefit of mankind and the society as well and from which I will be able to enhance my knowledge and efficiency.

--------------------Academic Background

Passing Year 2018 **B.Sc. (Four year Hons.)**

Subject	:	Computer Science and Engineering (CSE)
Institution	:	Institute of Science Trade & Technology (ISTT), Dhaka
Affiliation	:	National University (NU)
CGPA	:	3.48 (on scale 4)
Thesis	:	Development of Self Driving AI Car [Deep learning]

Passing Year 2013 **HSC**

Group	:	Science
Institution	:	Islamia Govt. College, Sirajganj
Board	:	Rajshahi
GPA	:	3.90 (on scale 5)

Passing Year 2011 **SSC**

Group	:	Science
Institution	:	Alim Uddin Osman Gani High School, Sirajganj
Board	:	Rajshahi
GPA	:	4.94 (on scale 5)

--------------------Research Interest

Robotics, Machine Learning, Deep Learning, Natural Language Processing, Reinforcement Learning, Internet of Things, Data Analytics & Recommender System.

--------------------Language Proficiencies

Bengali Native Language
English Intermediate in reading and writing, conversant in speaking

👨‍💼----------------------Specialization

Fields of Specialization	Software/Technologies
IT Support Service *System Engineer (Computer Network and System)* *Web Development and Design* *Teaching/Training* *Artificial Intelligence [Intermediate]*	1. **Official Computer Skills:** Microsoft Word, Excel, Adobe Photoshop, Communication Software 2. **Programming Language:** PHP, HTML, CSS, JavaScript, AJAX, MySQL, C, C++, C#, Python, Java 3. **Development Environment or tools:** JetBrains PyCharm, Anaconda, Netbeans, XAMPP, Latex, Adobe Dreamweaver 4. **Library Packages:** Open CV, Numpy 5. **Deep Learning Framework:** Keras, Tensorflow 6. **Experimental Hardware:** Raspberry Pi and Modules, Arduino and Modules, Micro controllers 7. **Networking Knowledge:** Socket Communication, Network Topologies, Infrastructure Management, System Configuration & Maintenance

🖥️----------------------Project Highlights

(1) *Student Result Archive (Web Application)*

Required Tools: Core PHP, MySQL Database, Java Script, Html, CSS

Description & Features: Students can search results by their registration number, the mark sheet of each semester result shows dynamically by button, using JavaScript calculate CGPA with the data from the different tables of the database. Rank analysis by institution or session.

(2) *Development of Self Driving AI Car (Prototype)*

Hardware Tools: Chassis, Raspberry Pi, Arduino UNO, Ultrasonic Sensors, IR Sensors, Camera Module, Bluetooth Module etc.

Package Management Tools and Technique: Anaconda, TCP Socket

Library Packages: OpenCV v3.1.0, Numpy, Scikit-learn

Deep Learning Frameworks: Keras (tensorFlow backend)

Image Processing: Deep Learning and with a combination of Hough Line Transform for line detection, Cascade Classifier for Stop Sign & Traffic Light Detection, Histogram of Oriented Gradients (HOG) Descriptor.

Project Details: Using computer vision technique the car is able to navigate itself through the track and detect obstacles by taking images from the environment through the camera module or using ultrasonic sensors for short distance obstacles. The car is also able to provide collision warning for the nearest objects around it. The neural network was used where the network was trained in an end-to-end manner and learned to recognize useful road features, such as road sign detection, lane markings, and corresponding steering angles are presented during training. The car will be controlled in manual mode as part of the train.

✦-------------------- Extracurricular Activities:

Research ancient facts, speech on astronomy, love to analysis cultural activities of different countries & skill in troubleshooting technical problems of a system.

👤-------------------- Personal Information

Father's Name	Md. Nurul Islam
Mother's Name	Razmeri Sultana
Present Address	32, EAST KAZIPARA, MIRPUR TSO, MIRPUR, DHAKA 1216
Permanent Address	Village- Maijail, Post- Randhuni Bari, P.S- Belkuchi, Dist.- Sirajganj, Post Code- 6742
Mailing Address	Village- Maijail, Post- Randhuni Bari, P.S- Belkuchi, Dist.- Sirajganj, Post Code- 6742
Date of Birth	12 Nov 1995
Religion	Islam (Sunni)
Marital Status	Bachelor
Blood Group	'O'+ve
Language	Speaking & Writing Ability both English & Bengali
Nationality	Bangladeshi (by birth)
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👥-------------------- Reference (s)

	Reference: 01	*Reference: 02*
Name	Md. Saiful Islam	SK Mamunur Rashid
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Relation	Relative	Academic