# Yeasin Arafat Payek

Roboticist & Artificial intelligence enthusiastic


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## About Me

Enthusiast problem solver with experience working across Robot Intelligence, IOT, Machine Learning & Artificial intelligence. I always feel habituated to think critically in the deep level of a problem and dissect algorithms. I love finding bugs and corner cases to ensure the quality of my project. Currently I'm preparing myself for a thrilling career ahead and looking for a role where I can grow and learn.

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## EDUCATION

B.Sc. in Computer Science and Engineering

• **Institution:** International Islamic University Chittagong, Bangladesh.

• **Session:** 2017 – 2021 **Passing Year:** 2022 **Result:** 3.31 / 4

## TECHNICAL SKILLS

- **Programming Skills:** C, C++, Python
- **Web Programming:** Html, Css
- **Framework / Library:** Tensorflow, Keras, OpenCV, Pandas, Scikit-learn, Numpy, Matplotlib, Scipy, Yolo, …
- **Machine learning, Image Processing**
- **Version Control:** Git, GitHub
- **Microcontroller Programming:** AVR, ATmega
- **Development board:** Arduino, Raspberry pi, ESP8266.
- **Operating System:** Linux (Debian), Windows (7,10)
- **Embedded system analysis & design**
- **Internet of Things**
- **Graphical:** Adobe Photoshop, Adobe Premiere Pro, kdenlive, Figma.
- **Circuit Design & Simulation:** EasyEDA, EAGLE.

## PROJECTS

- Obstacle avoiding car (fully autonomous).
- Sumo bot (fully autonomous fighting bot).
- RC based fighting robot, we made many of them based on requirement.
- Arduino based self-balancing drone.
- Semi-autonomous gps based drone by the help of arducopter.
- Infrared sensors based line following robot using arduino uno.
- 2 axis plotter pen cnc machine using arduino uno.
- Human control soccerbot
- Pothole Detection Using OpenCV
- Bangla HandWriting Prediction Sorborno Using OpenCV

## B.SC THESIS

A Deep Learning based artificial vision analysis system using a single camera.

## WORK EXPERIENCE

**ORGANIZATION : TAXES ZONE-3**

- **Position :** Data Entry Operator.
- **Major Job Responsibility :** Return Entry
- **Address :** CGO Building-2 (2nd Floor),Agrabad C/A,Chattogram.
- **From :** 1 February 2017
- **To :** 15 March 2017

## PARTICIPATED & ACHIEVEMENT

❖ **SUST CSE CARNIVAL (2017)**
- ➢ **Organizer:**Shahjalal University of Science and Technology
- ➢ **Section:** Robot-fight
- ➢ **Achievement:** Semi-Finalist

❖ **IEEE SPECTRA (2017)**
- ➢ **Organizer:** International Islamic University Chittagong
- ➢ **Section:** Robot-fight
- ➢ **Achievement:** Champion

❖ **IIUC TECHFESTA (2017)**
- ➢ **Organizer:** International Islamic University Chittagong
- ➢ **Section:** Robot-fight
- ➢ **Achievement:** Runner-up

❖ **IIUC EEE DAY (2018)**
- ➢ **Organizer:** International Islamic University Chittagong
- ➢ **Section:** Embedded System Design
- ➢ **Achievement:** 2nd Runner-up

❖ **MIST ROBOLUTION (2018)**
- ➢ **Organizer:** Military Institute of Science and Technology
- ➢ **Section:** Robot-fight
- ➢ **Achievement:** Semi-Finalist

❖ **BUET ROBOFIESTA (2018)**
- ➢ **Organizer:**Bangladesh University of Engineering and Technology
- ➢ **Section:** Robot-fight
- ➢ **Achievement:** Semi-Finalist

❖ **IIUC CSE FEST (2019)**
- ➢ **Organizer:** International Islamic University Chittagong
- ➢ **Section:** Idea Generation
- ➢ **Idea:** Fully automated Fire Security System

❖ **IIUC EEE FEST (2019)**
- ➢ **Organizer:** International Islamic University Chittagong
- ➢ **Section:** Robot-fight (Soccer bot)
- ➢ **Achievement:** Champion

❖ **BAIUST CSE FEST (2019)**
- ➢ **Organizer:**Bangladesh Army International University of Science and Technology
- ➢ **Section:** Robot-fight (Soccer-bot)
- ➢ **Achievement:** Semi-Finalist

❖ **IIUC TECHFEST (2019)**
- ➢ **Organizer:** International Islamic University Chittagong
- ➢ **Section:** Robot-fight
- ➢ **Achievement:** 2nd Runner-up