



+4917677221453



mozammelhos-  
sain963@gmail.com



/in/mozammel-rayhan-  
829341122/



Ray9090

# Md Mozammel Hossain

Programmer, Researcher, Engineer

Wismar, Germany



## Key skills

- Proficiency in **Programming & Simulation software**: Matlab, AutoCad.
- Operating systems: **Linux & Windows**.
- Software: **MS Office & Latex**.

## Programming

- Highly advanced: **Machine Programming**, Pic micro-controller programming, AVR micro-controller programming
- Advanced programming language **C, C++, Python**( NumPy, Scipy, Pandas, Matplotlib, OpenCV, Tkinter, PyGame, PyTorch, Keras, TensorFlow)
- Less advanced programming **VHDL**
- PLC programming language **Structural Text** (expertise in Codesys ), **TCP, ModBus TCP, OPC UA**

## Design & Simulation

- PCB Design: Eagle
- Web Design: HTML, Word-press
- Circuit Simulation: Orcade, Packet tracer, Proteus, Vivado
- GUI Design: Qt (C++ Framework), Tkinter (python)

## Interests

- Artificial intelligence. Robotics.
- Crypto-currencies/Blockchains.
- Cyber Security

## Language

- **English B2** IELTS 6.0
- **Deutsch A1, A2** (Learning)

## Experiences

- Oct. 2020 – Continue **Research Assistant** at **INSTITUT FÜR POLYMER- UND PRODUKTIONSTECHNOLOGIEN**, Germany  
GUI and HMI design in Qt; C++ framework
- Oct. 2018 – Oct. 2019 **Trainee Officer** at **K. N. Power Service Limited**, Bangladesh  
Data Entry, Report, Expert in Excel
- Oct. 2017 – Oct. 2018 **IT Officer** at **ESTILO Bangladesh**, Dhaka, Bangladesh  
Maintaining the Website
- Feb. 20017 – Jul. 2017 **Research Intern** at **Planeter Ltd**, Dhaka, Bangladesh  
**Automated Blood Group Detecting Machine** Find most efficient and less costly way to complete the project, Design the prototype, Hardware and software design of the machine

## Projects

- 2020 - ongoing **Master's 2nd semester**  
**Hydrogen Sensor** Design and Fabrication, **Pulse Oximeter** Design, Basic of **Network Security** Management using Wire-shark, **Antenna** Signal analysis using Python
- 2019 **Master's 1st semester**  
**Design of Automated Private Home Garage**, Simulated the project in **Packet-Tracer**, Designed the project with **Raspberry Pi and Arduino**, used **Python** programming
- 2013 – 2016 **All the program done at bachelor's university**  
Project on 5volt DC Supply, Project on Security alarm, Project on Line Follower Robot, Project on Frequency Meter, Project on Voltage Regulation, Project on Motor Speed Controller

## Education

- Sept.2019 – Present Masters **IEE** at **Hochschule Wismar**, Germany
- Jan. 2013– Dec. 2016 Bachelor's degree **EEE** at **Ahsanullah University of Science and Technology, Bangladesh**

## Training

- 2021 **Python Essentials** at **CISCO, Germany**
- 2020 **Qt GUI Design** at **Udemy, Germany**
- 2020 **Linux Basic** at **CISCO, Germany**
- 2019 **Cisco IOT Fundamentals: Connecting Things** at **Hochschule Wismar, Germany**
- 2016 **Certificate in Excel** at **United International University**
- 2014 **Pic Micro-controller Programming** at **Pi Labs**
- 2013 **AVR Micro-controller Programming** at **Planeter LTD**

## Miscellaneous

Portfolio

[rayhan.de](http://rayhan.de)

using Wordpress, *underconstruction*