RAKIB HOSSAIN

Student
Department of Electronics and Telecommunication Engineering
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Research Interest

Machine Learning, Deep Learning, Natural Language Processing and Antenna Design

Education

Chittagong University of Engineering and Technology — Chittagong, Bangladesh
Bachelor of Science in Electronics and Telecommunication Engineering, CGPA: 3.25/4.0 (till 6th Semester) — 2019 – 2024

Firoza Bashar Ideal College — Dhaka, Bangladesh
Higher Secondary School Certificate, GPA: 4.75/5 — 2016 – 2018

Kalatia High School — Dhaka, Bangladesh
Secondary School Certificate, GPA: 4.44/5 — 2011 - 2016

Skills

Programming Language	C, C++, Python, MATLAB
Machine Learning	TensorFlow, PyTorch, Scikit-Learn
Web Development	React, PHP, Django, HTML, CSS, Bootstrap, MySQL
Electronics	Proteus, NI Multisim, Arduino
Software Tools	Jupyter, LaTeX, Colab, CST Studio Suite, Advanced Design System (ADS), Git

Projects

Design and Develop Ecommerce Website for Electronics Products | Source Code

2nd year Internet Programming Project

- Developed an Ecommerce website where people can buy electronics products for their works. An admin panel also created so that the owner of this website can operate this website without having any programming knowledge.
- Skills Used: HTML, CSS, Bootstrap MySQL, PHP, XAMPP

Design and Develop a Portfolio Website | Source Code

Personal project

- Developed a portfolio website for myself. So that I can let others know about myself. It's like an evergreen platform for my projects, case studies, and information. In addition, it's one of the best ways to express my personality, experience, and capabilities.
- Skills Used: HTML, CSS, Bootstrap, JavaScript

Design Circular Patch Antenna for 2.4 GHz Frequency Application

2nd year Microwave and Antenna Engineering

- Design a circular Microstrip patch Antenna for 2.4 GHz Wireless application.
- Skills Used: CST Studio Suite

Certifications

Supervised Machine Learning: Regression and Classification

Coursera

- Learn how to use Supervised Machine Learning Algorithm such as Gradient Descent, Vector Algebra to solve industry problems.

Advanced Learning Algorithm

Coursera

- Get an in depth understanding about the concepts of advance machine learning and, including supervised and unsupervised learning. And also implement Algorithm to solve different problems.

AI and Machine Learning with Python

Sheikh Kamal IT Business Incubator, CUET

- Learned about Artificial Intelligence, Machine Learning with Python. It was 11 days long course; in this course we learn basic python to advanced Machine learning and Artificial Intelligence including Natural language processing (NLP).

Capstone: Retrieving, Processing, and Visualizing Data with Python

Coursera

- It allowed me to gain experience managing a larger project that encompass several languages and multiple programs. It also helps me to understand Machine learning well.

RF and millimeter-Wave Circuit Design

Coursera

- Learned about RF wireless systems specifications, and how to design the main building blocks of a transceiver, i.e., low noise amplifier, power amplifier, RF mixers, oscillators, and PLL frequency synthesizers. And also learn in-depth knowledge and hands-on experience on RF and mm-Wave circuit design.
- During this course work with some simulation software like CST Studio Suite, Advanced Design System (ADS).

MATLAB Onramp

MathWorks

- Learn about basic MATLAB programming script i.e., Array, Function, Loop, MATLAB plotting, Data importing etc.

Achievements

Amar Bangabandhu

- Obtained 2nd place in Quiz competition about Bangabandhu Sheikh Mujibur Rahman.

Techno Craze

- Obtained 2nd place in Robo Socker competition by building Remote Control Robot.

Extra-Curricular Activities

- Joint Robo Mechatronics Association (RMA), IEEE CUET Student Branch
- Organized Telemesh 2020
- Organized CUET ETE Day 2022