Md. Rezwanur Rahman

Dhaka,Bangladesh ; Mobile No: +8801521323485

Email: mahadi1501093@gmail.com ; Website: www.github.com/Mahadi2478

Career objective

As a highly motivated Electrical & Electronics Engineering student, my career objective is to pursue a graduate degree which will enhance my problem solving skills & broaden my knowledge in specific areas of EEE such as analog & mixed signal IC design, neuromorphic computing, VLSI design etc. I want to incorporate my core knowledge with my programming skills to explore the latest research on computer hardware development. I want to explore how the latest AI revolution is redefining the boundaries of computation. Moreover I'm interested in the rapidly evolving intersection between the physical & digital world using cyber physical systems.

Education

BSc in Electrical & Electronics Engineering **February 2022**
Rajshahi University of Engineering & Technology (RUET)
Rajshahi, Bangladesh

CGPA – 3.41 (Last 60 credit - 3.66)

Core courses: Electrical circuits , Electronics fundamentals , Engineering Mathematics, Electrical machine, Power system, Power electronics, Control System, Digital electronics, Digital Signal Processing, Microprocessor & interfacing, VLSI design, Embedded systems, Processing & fabrication technology, Communication engineering, Biomedical Engineering etc

Test Scores

GRE – 312 **March, 2023**
(Verbal – 150 , Quant -162 , AWA-3.0)

IELTS – 7 **November 2022**
(Speaking – 7, Listening – 7.5, Reading – 6.5, Writing -6.5)

Work Experience

Industrial Attachment **May 2019**
Katakhali 50 MW peaking power plant, BPDB

Workshop on HVDC power generation & Transmission **July 2018**
IEEE RUET Student Branch

Thesis

Design & performance analysis of Aperture coupled patch antenna with defected ground structures using CST & HFSS
(Under supervision of Prof. Dr. Shamim Anower, EEE, RUET)

Outcome : Aperture coupled patch antenna with E type defected ground structure was simulated which produces 15 dB more return loss, 2.3 Ghz more bandwidth & 2.40 less VSWR than regular ground slot patch antenna. Two major simulation software CST & HFSS were used to compare the outputs.

Projects

Algorithm Based Projects:

- Delivery truck routing app using Dijkstra algorithm
- Sudoku solver using Backtracking algorithm
- Phone directory using Trie algorithm

IOT projects:

- Arduino based weather monitoring system
- Fire alarm system using thermistor & 555 timer IC

Software Skills

- C++ Programming
- MATLAB
- MICROWIND EDA software
- CST
- Ansys HFSS
- Microsoft Office

Reference

Dr. Md. Shamim Anower
Professor,
Dept. of EEE,
RUET
Email:msanower@eee.ruet.ac.bd

Dr. Md Masud Rana
Professor
Dept. of EEE,
RUET
Email:md.masud.rana@eee.ruet.ac.bd