Md.Rezaul Karim Shanto

58/39/1, Wasa Road, North Mugdapara

Work Experience

2020   **Intern**, National Load Dispatch Center PGCB, Rampura.
Completed Training Program at NLDC,PGCB

Achievements:
- Gathering general knowledge about power grid systems in Bangladesh
- Studying various load dispatch problems in Bangladesh
- Breakdown analysis power distribution using automated generation control and possible implementation in Bangladesh

Projects

2020   **Electrical and floor design of a duplex house**
Using AutoCad, floor design, fittings and fixture layout and conduit layout of a 2500 square feet duplex house was designed

2020   **Frequency response analysis of an IEEE-39 bus system**
using CYME PSAF frequency response during generation loss and the impact of load shedding and load frequency relief was analyzed

2018   **Voice recognition tool**
Using Matlab, a rudimentary code was developed to recognize the voice of a specific person

2018   **Reversible DC power generator**
Designed a reversible power source using Thyristor and AC source

2018   **Sign Language Tracker**
Using a glove with resistive sensor different sign language letter detection process was designed

Education

2016-2021   **Bachelor of Science in Electrical and Electronics Engineering**, *Bangladesh University of Engineering and Technology*, Dhaka, *CGPA − 3.67 out of 4* .

2013-2015   **Higher Secondary**, *Dhaka College*, Dhaka, *GPA − 5 out of 5*.

2011-2013   **Secondary**, *Ideal School and College*, Dhaka, *GPA − 5 out of 5*.

Extracurricular Activities

2018-2019	Brand Ambassador of BUET Career Club
2016	Volunteer at Pioneros
2016	Volunteer at Hult Prize Competition

Awards and Achievements

2016-2020	Awarded for Dean's List for two terms for achieving average CGPA above 3.75 in BUET
2016-2020	Awarded Merit Talent Scholarship in HSC-2015
2019	Awarded a certificate for contribution in research in PEEIACON-2019
2020	Successfully Completed "Excel Skills for Business Essentials" an Online Non-credit Course Authorized by Macquarie University and offered through Coursera
2020	Successfully Completed "Python Specialization" an Online Non-credit Course Authorized by University of Michigan and offered through Coursera

Computer skills

Matlab, Simulink, AutoCad, CYME PSAF, PSpice, PROTEUS, Quartus, emu8086, Microsoft Excel

Research Interests

- Power system analysis
- Power system component protection
- Overhead conductor monitoring
- Failure analysis of power system component

References

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