

Kader, Kazi Abdul

USA Solar (Residential & Commercial)
Electrical Design Verification Engineer - I
Neural Semiconductor Limited



Contact

- +8801406568495 / +8801331673269
- 22-92304-1@student.aiub.edu
- kaderkaziabdul.aiub@gmail.com
- <https://www.linkedin.com/in/kader-kazi-abdul-aiub22923041/>
- <https://scholar.google.com/citations?user=P83rzPUAAAAJ&hl=en>
- <https://www.researchgate.net/profile/Kazi-Abdul-Kader-2>
- F - A3, H-14, R-25, S-7, Uttara - 1230, Dhaka, Bangladesh

About Me

Motivated Electrical Engineer with 1.5 years of experience excelling in technical problem-solving, client communication, and critical situation management. Strong analytical skills, tackling issues through root-cause analysis regardless of familiarity. Continuously update knowledge to stay ahead of the ever-evolving technology landscape.

Academic Project Work

Impacts of GA and PSO on Loss Minimization in Distribution Networks with DG Incorporation: A Comparative Study.

Published on IEEE Access Journal and Presented in the AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON-2023), Bengaluru, India.
DOI: [10.1109/NMITCON58196.2023.10276001](https://doi.org/10.1109/NMITCON58196.2023.10276001)

Design and Analysis of an On-grid Solar system using PVsyst Software for Commercial Application.

Published on International Journal of Scientific & Engineering Research (IJSER), Volume 12, Issue 9, September - 2021, ISSN 2229-5518.
Cited By: 6 [Paper reached 2500 reads in ResearchGate]

The Distribution Network Loss Minimization by Incorporating DG using Particle Swarm Optimization (PSO) Technique.

Submitted on AIUB Journal of Science and Engineering (AJSE) (Still Under Review)

Basic Skills

- Public Speaking
- Team Collaboration
- Proficient in MATLAB, AutoCAD, Proteus, SketchUp, PVsyst, Cadence, DSCH, Multisim.

References

Prof. Dr. Md. Abdul Mannan

Associate Dean, Faculty of Engineering
American International University-Bangladesh (AIUB)
Phone: +8801799-277730
Email: mdmannan@aiub.edu

Dr. Md. Rifat Hazari

Senior Assistant Professor,
Deputy Director [DR. Anwarul Abedin Institute of Innovation]
American International University-Bangladesh (AIUB)
Phone: +8801712-147538
Email: rifat@aiub.edu

Education

Master of Science (M.Sc.) in Electrical and Electronic Engineering (EEE)

American International University-Bangladesh (AIUB)

Passing Year: 2023

CGPA: 3.91 out of 4.

Bachelor of Science (B.Sc.) in Electrical and Electronic Engineering (EEE)

American International University-Bangladesh (AIUB)

Passing Year: 2021

CGPA: 3.94 out of 4.

Higher Secondary School Certificate (HSC)

Bhasha Soinik Ajit Guha Mohabiddalay, Comilla

Passing Year: 2017 ; Group: Science

CGPA: 3.92 out of 5.

Secondary School Certificate (SSC)

Police Line High School, Comilla

Passing Year: 2015 ; Group: Science

CGPA: 4.39 out of 5.

Experience

Solar Verification Engineer - I

Neural Semiconductor Limited

Joining Date: 1 February, 2024

Key Responsibilities:

- Conduct meticulous verification of solar PV systems' electrical designs for residential and commercial properties, ensuring compliance with NEC standards.
- Verify fault, load, and voltage drop calculations, along with compliance with ARTICLE 705: INTERCONNECTED ELECTRIC POWER PRODUCTION SOURCES.
- Collaborate with customers to meet AHJ requirements, ensuring compliance with local regulations.
- Manage project schedules to meet predetermined Turnaround Time (TAT).
- Prepare accurate documentation and letters to facilitate project approval.
- Organize and conduct meetings with Professional Engineers (P.Eng.) to troubleshoot technical challenges.
- Ensure solar PV system designs comply with the National Electrical Code (NEC) and other relevant standards.
- Provide technical support and guidance to internal teams, contractors, and clients.

Application Engineer

Iconic Engineering Limited

Joining Date: 10 December, 2022

Leaving Date: 31 August, 2023

Key Responsibilities:

- Excel in crafting comprehensive technical proposals covering product details, lock points, entity details, and application specifics.
- Meticulously ensure compliance and generate specification sheets for products.
- Conduct engaging product-oriented seminars to share knowledge.
- Provide valuable after-sale onsite product training to customers to maximize product benefits.
- Apply attention to detail in quality control and quality assurance of new products.
- Actively engage in brand sourcing and effective communication.
- Enjoy writing informative content and blogs related to the industry.
- Specialize in creating tailored product baskets and impactful presentations on various solutions within the electrical and mechanical industry.
- Contribute to the development of brand portfolios.