Aziz, Abdul

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PROFILE REVIEW

A highly motivated Masters student with critical thinking, great communication, self-learning and result oriented research skills. 4+ years of hands-on experience in different projects, electro-mechanical systems and power plants.

Key skills
- Computer aided design, model simulation and development.
- Programming with python, C++.
- Electromechanical and automation system installation and testing.
- 2D and 3D model building (AUTOCAD, CATIA v5).

CAREER OBJECTIVE

Looking for an opportunity based on research work/study in an institution which provides professional development, interesting experiences and personal growth.

EDUCATION

University of Bremen   **Bremen, Germany**
Masters of Science, MSc.   Summer 2022 – Present
Control, Microsystems and Microelectronics

American International University-Bangladesh (AIUB)   **Dhaka, Bangladesh**
Bachelors of Science, BSc.   Spring 2013 – Fall 2016
Electrical and Electronics Engineering

EXPERIANCE

Doreen Power Limited Bangladesh   **Dhaka, Bangladesh**
Position: Assistant Engineer   May 2018 – April 2022

- Supervise, maintain & monitor operational activities of three MAN 18V48/60TS engine with ABB AMG 1600UU12 DSE alternator and a Triveni steam turbine (India), TST-2060 with WEG SPA 2.9MW alternator according to company policies and procedures.
- Monitoring the standard data of Engine Fuel System, Lube oil system & Cooling System and troubleshooting Engine Control circuit, Safety circuit & Auxiliary Control Circuit.
- Responsible for troubleshooting, fault finding, repair, testing, different types of sensors replacement (Speed Pickup, Thermocouple, Level Switch, 2/2 Solenoid Valve, Level Sensor, WMS Sensor, Crankcase Pressure Sensor, proximity sensor), megger test and maintenance of all plant equipment as required supporting plant operation.
- Monitoring plant equipment condition to evaluate fit for purpose when undertaking performance data analysis monitoring.
- Remain up to date on emerging technology related to plant performance, software improvements and performance monitoring
- Generate reports of expected benefits including capacity, heat rate and production cost improvements

Janasheba Foundation (JF)   **Chattogram, Bangladesh**
Position: Project Electrical Engineer   April 2017- April-2018

- Design, implement, maintain and improve electrical instruments, equipment, facilities, components, products, and systems for commercial, industrial, and domestic purposes.
- Supervising 3150KVA, 2500KVA, 1600KVA, 630KVA generators, substation projects for two modern hospital projects and one high rise building project.
- Operate computer-assisted engineering and design software and equipment to perform engineering tasks.
- Direct and coordinate manufacturing, construction, installation, maintenance, support, documentation, and testing activities to ensure compliance with specifications, codes, and project requirements

PROFESSIONAL TRAINING & MOOC

- "Process control engineering for beginner" at Siemens SITRAIN Digital Industry Academy.
- "Programming of PLC for industrial automation, maintenance and troubleshooting of PLC System" at Siemens SITRAIN Digital Industry Academy.
- "SIMATIC TIA portal structured programming" at Siemens SITRAIN Digital Industry Academy.
- Various types of safety, Environment and firefighting on job training, DSPGL 2018-2020
- Seminar on "Electrical Services for Buildings and Industries-Design", Md. Shah Alam Talukder, PEng.
- Workshop "PCB fabrication and layout design", Mr. Kazi Ahmed Asif Fuad, Lecturer, Faculty of Engineering

LANGUAGE
- English - Well versed in both written and spoken.
- German- Basic user.
- Bengali - Mother tongue.

ADVANCED TECHNICAL SKILLS & KNOWLEDGE AREAS

Computer and Electronics-Knowledge of circuit boards, Processors, chips, electronic equipment, and hardware and software, including applications and programming.
- Programming Language: Python , C, C++ , CSS, HTML;
- MATLAB, LabVIEW.
- CAD: AUTOCAD, Sketch UP, CATIA V5.
- Industrial PLC: Siemens PLC and Human Machine Interface (HMI)
- Embedded System: AVR Microcontrolers, Arduino-interfacing, Programming, ResberryPI, WinCC (Scada).
- Software tools : Cādence, Hspice, Microwind, Pspice, MARIE, Proteus (circuit and PCB design), Multisim, Microsoft Visual-studio, Codeblock, Adobe Photoshop.

PUBLICATION

- Mohd Zean, Abdul Aziz, Minhajul Islam ,M.Salman Morshed Abir,Shuvra Saha "CNTFET based Multiplexers and Magnitude Comparator" (Published, Proceedings of the 2017 4th International Conference on Advances in Electrical Engineering (ICAEE), (Dhaka, Bangladesh).
- Best article award on "Standalone power storage system" published on Engineering student association Bangladesh(ESAB), 2015