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OBJECTIVE STATEMENT

I am looking for an opportunity in a reputed organization which will help me deliver the best and upgrade my skills in engineering and I can work at my full potential to meet the demands of the organization.

EDUCATION

Master of Science - Energy Systems Engineering, USPCAS-E National University of Sciences and Technology, Pakistan , 2016-2018	CGPA(3.38/4.00) Sept-16 -- Sept-18	1 st Division
Bachelor of Science - Electrical Engineering (16 year education) National University of Computer and Emerging Sciences, Pakistan – Jun 2014.	CGPA (3.60/4.00)	1st Division
Higher Secondary School Certificate - Pre Engineering (12 year education) Fazaia Degree College, Pakistan – Jun 2010.	Marks (70%)	1st Division
Secondary School Certificate - Science (10 year education) University Public School Peshawar, Pakistan – Apr 2008.	Marks (79%)	1st Division

RESEARCH WORK

Department: U.S Pakistan Center for Advanced Studies - Energy, NUST, Islamabad, Pakistan

Techno-Economic analysis of LEED certified homes in Pakistan Sept 2017-Till date

The objective of this research is to find the opportunities and challenges of different stakeholders in the construction industry to build LEED certified homes in Pakistan.

LEED certification of USPCAS-E building, NUST Sept 2017-Till date

The project aims to acquire Green Building certification (LEED O&M) for the building. This USAID funded project would not only promote the Green Building concept in Pakistan but also a benchmark for other universities to go Green.

ISO 50001 Ready Program, U.S Department of Energy Sept 2017-Till date

The aim of this research is to apply all the procedures and steps of ISO 50001 Ready Program to USPCASE building in NUST and establish Energy Management System for the department. I would evaluate the performance of the building and then design an improvement plan.

SOLAR SYSTEM DESIGN BY STEP ROBOTICS LENS AND APP April 2018- Till Date

The purpose of this study was to learn how to design a solar system by Step Robotics lens by visiting a site, take measurement on different points, do the shading analysis and then develop a proposal for solar design. The solar system performance, quality and profitability were analyzed in this study.

WORK EXPERIENCE

4 Years diversified professional work experience in 4 different companies.

Plug To Solar – Pakistan

Installation Engineer Jan 2015 – Till Date

Duties:

- Load calculation and designing a solar energy system for homes
- Installation of off grid solar systems
- Installation of on grid solar systems with hybrid inverters
- Installation, replacement and maintenance of dry and lead acid battery banks
- Maintenance of solar panels by cleaning and ampere measurement

Skippy Apps Pty Ltd – Pakistan

Windows Development Lead

Jun 2015 – Oct 2016

Duties:

- Leading a team of developers and designers
- Publishing on Windows and Windows Phone Store
- Converting Games from other platform to Windows
- App testing and QA
- App Store optimization

Celeros Networks Pvt Ltd – Pakistan

Junior Engineer

Aug 2014 – May 2015

Duties:

- Operation and maintenance of electrical systems
- Performed Corrective and Preventive Maintenance
- Refurbished and Installed Earthing systems
- Commissioned/Maintained Diesel Generators on sites
- Read and implemented electrical system designs
- Installed solar power systems and maintained
- Installed DC and AC protection systems
- Installed and replaced Battery Banks
- Installed and replaced rectifiers
- Lead and managed a team of 4 technical people
- Coordinated with the operator, vendor and other sub-con team leaders
- Made progress reports on daily basis

Fastcom (Startup) – Pakistan

General Manager

May 2013– July 2014

Duties:

- Assisted the employees in technical issues and problems
- Managed and checked on employees
- Coordinated with Pakistan Software Export Board and IT Board
- Coordinated with Government authorities to further improve the performance
- Dealt with clients and giving them online support
- Resolved payment queries including online payment
- Prepared Monthly/quarterly progress and sales

KEY SKILLS AND COMPETENCIES

- Extensive knowledge of operation of electrical systems
- Performing Corrective and Preventive Maintenance of electrical systems
- Battery Bank Installation on telecom sites
- Installation and maintenance of DC backup battery systems
- Solar Panels Installation at buildings
- Extensive knowledge of different energy sources
- Implementation of electrical system designs
- Good experience of making excel spreadsheets
- Excellent communication skills

FINAL YEAR PROJECT

Iris Based Security System for Identification and Secure Authentication.

- I developed and implemented Human Iris based security system
- Took me 1 year to complete working at 5 hours per day
- Designed and developed a database for this project
- Tested on over 300 subjects

OTHER PROJECTS

- Unit converter in C language (Programming Project)

- Encryption and Decryption algorithm in C++ language (Programming Project)
- Automatic light control system (Electronics Project)
- Free Electrical Energy Project (Power Project)
- Heating and Cooling system
- Lie Detector (Hardware Project)
- Automatic filling of bottles in mega industries using PLC
- RF Front end filters (Modeling and simulation)

International Certifications

- Microsoft Office Specialist – Word, Power Point

ADDITIONAL KNOWLEDGE

Presentations

Internally Displaced People
World Religions
Smart Grid
Moving Charges
Role of Engineering in solving Social Problems
The 48 Laws of power
Biometric Identification Systems
Iris Biometric Recognition Systems

Workshops/ Seminars/Conferences

Energy Materials Workshop organised by USAID
International Conference of Sustainable Energy Technologies organised by USAID
Green Building Workshop organised by USAID
PhotoVoltaic Panels by Mavtech Pvt Limited
Empowerment for life
Entrepreneurship by startup CEO
AUTOCAD
Windows Phone App Development by Microsoft Ambassador
Adobe Photoshop
Android Platform

Honours and awards

Chief Proctor selection in school
Dean's list of honour for four times by achieving more than 3.5 SGPA
Head Organizer of Electrical Engineering Quiz Competition in NUTEC 14 event
Head Organizer of Boarding and Lodging in NUTEC 13 event
Organizer of Hardware Project Exhibition at NUTEC 13 event