

MUHAMMAD HANAN DAUDPOTA

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Job Experience

Electrical Engineer I (Part Time)— ALLUMIAX, WA,USA

[Nov 2017 - Jan 2018]

- Design of Electrical Power Distribution and Understand power systems theory using IEEE standards, books, articles, etc
- Collaborate with team members to discuss project, prepare documents, or modify project schedules
- Reviews and verifies project documents for completeness, format, and compliance with IEEE & NEC standards
- Investigate ETAP and other engineering software for gaining in-depth knowledge of the practical applications of power systems analysis
- Specific recommendations for improvement of overall safety and reliability of power systems analysis
- Electrical Safety for Engineering working on panels
- Electric Arc Flash Analysis including rating, calculations and drafting reports.



Teaching Assistant (Full Time) — Mehran University of Engineering & Technology

[Dec 2016 - Dec 2017]

- Design lessons presented by teachers by reviewing material with students one-on-one or in small groups
- Conducts lab experiments of different classes of Engineering field
- Help teachers with recordkeeping, such as tracking attendance and calculating grades
- Help teachers prepare for lessons by getting materials ready or setting up equipment, such as computers
- Help supervise students in class, between classes, during lunch and recess, and on field trips



Internee — United Engineering Services, Karachi.

[June 2014 — July 2014]

- Design of Electrical Power Distribution of Company on Auto-CAD
- Electrical Safety for Engineering working on panels
- Electric Arc Flash Analysis including rating, calculations and drafting reports.
- Applications of Electrical design and appraisal reports Limited Company



Internee — JAMSHORO POWER COMPANY LIMITED (GENCO-I)

[Dec 2013 — Jan 2014]

- Worked on 850MW Thermal Power Plant dual fuel (furnace + HSD) 3x600MW+ 250MW Steam Unit.
- Installation and testing of different equipment of whole plant including steam turbine generator, generator circuit breaker, starting motors, LV panels, MV Panels, Packaged Electrical and Electronic Control Compartment (PEECC), and Isolated Bus Duct.
- Receiving of Equipment and materials at Plant and maintain the record where necessary.



Volunteer Management — IEEE (USA)

[Jan 2013 — Present]

- Serving as IEEE Young Professional Chair Karachi 2018
- Management Several International and national events as Leading Management member
- Lead 25 Universities as IEEE Karachi Section Student Representative
- Representative of IEEE Karachi Section in summits (Srilanka, Singapore, Dubai, Brazil, USA)
- Managed IEEE membership network of IEEE Karachi Section and region
- Manage the IEEE Karachi Section team setting clear goals, targets and objectives
- Trainer (Global Humanitarian Program SIGHT) at San Jose, CA, USA 2017

Education

B.E Electrical Engineering (PEC Registered)

Jan 2012 — Jan 2016

ISRA University Hyderabad

CGPA 3.2/4

Percentage 75.88 %

F.Sc Intermediate XI-XII (Pre- Engineering)

Aug 2009 — Aug 2011

Board of Intermediate and Secondary Education, Hyderabad

Percentage 76%

Matriculation IX-X (Computer Science)

Aug 2007 — Aug 2009

Board of Intermediate & Secondary Education, Hyderabad

Percentage 85%

Academic and Extracurricular Activities:

- Serving as IEEE Young Professional Chair Karachi 2018
- Representative IEEE YP Karachi Chair in IEEE R10 Student/GOLD/WIE Congress 2018 Bali, **Indonesia** 2018
- Representative IEEE YP Karachi Chair in IEEE Power Energy Society Congress 2018 Sao Paul , **Brazil** 2018
- Presented research paper at IEEE GHTC Conference San Jose, USA 2017
- Served in IEEE as Karachi Section Young Professional as Vice Chair 2016
- Delegate leader of IEEE R10 Student/GOLD/WIE Congress 2015 Colombo, **Srilanka** 2015
- Won "Most Valuable Student Volunteer" Best Pakistan Volunteer award 2015
- Served as Organizer of Great Debate by British High Commission 2015
- IEEE Exceptional Volunteer Recognition Certificate from IEEE President 2014
- Served as Section Student Representative of IEEE Karachi coordinating with 23 University 2014
- Got Priceless Volunteer award 2012 - 15 at IEEE, Karachi Section 2012
- Served as President IEEE Isra Student Branch and IEEE PES member 2013

Online Courses

- Energy Efficiency by HP 2014
- Sustainable Electrification Solution for Developing Countries by IEEE 2016
- HVDC Network, Transmission Level Smart Grid by IEEE Continuing Education 2016
- DER and Grid Management - Putting DERM on desk 2017

International Publications

- Daudpota, Muhammad Hanan, Anwar Ali Sahito, Amir Mahmood Soomro, and Faheem Shafeeq Channar. "Giving blind a smart eye: Designing and modeling of intelligent white cane for blind people." In Global Humanitarian Technology Conference (GHTC), 2017 IEEE, pp. 1-6. IEEE, 2017.

Skills

Computer Skills:

- Microsoft Office
- Arduino
- Arc Flash Analysis Software
- ETAP

Soft Skills

- Very good planning and coordination skills in different level of management.
- Strong interpersonal skills.
- Strong presentation skills.
- Team Work Strength.

Professional Affiliation

IEEE-USA Member	2012 - 2018
IEEE WIE	2013 - present
IEEE Power and Energy Society (PES)	2012 - Present
IEEE Signal Processing Society	2014 - 2016
IEEE Young Professional	2016 - Present

Languages

- English (Mid Professional Proficiency)
- Urdu & Sindhi (Native or Bilingual Proficiency)