



# M. MUZAMMIL AHMED

## Electrical Engineer

### EDUCATION

**NED UNIVERSITY OF ENGINEERING & TECHNOLOGY** Karachi, Pakistan  
Bachelor in Electrical Engineering 2016-2019  
– Obtained CGPA 3.678 / 4.0

**ADAMJEE GOVT. SCIENCE COLLEGE** Karachi, Pakistan  
Intermediate (Pre-Engineering) 2013-2015  
– Obtained percentage 83.63%

**CHILDREN MODEL ACADEMY** Karachi, Pakistan  
Matriculation (Science) 2000-2013  
– Obtained percentage 88%

### PROFESSIONAL EXPERIENCE

**NUB ENTERPRISES (K-ELECTRIC CONTRACTOR)** Karachi, Pakistan  
Supervisor: Dec 2019 – presently

- **Technical skill:** Worked with K-Electric Team and collaborated with Labors to draw Distributors from PMT, Followed SOP's of Connecting and Disconnecting HT/ LT lines and ensured proper earthing provided in the area.
- **Soft skill:** Strong communication skills gained by interacting with consumer, Listened to their problems and Discuss their matters with K-electric employees.

**KARACHI SHIPYARD & ENGINEERING WORKS** Karachi, Pakistan  
Internship: May 2018 – June 2018

- **Teamwork:** Coordinated with a team of 5 interns to learn about electrical equipment used in the industry and about LV system for security through CCTV, Access Control etc.
- **Technical skill:** Acquired hands-on experience on switchgear components in Ship Repair Department.

**UNIVERSAL CABLES INDUSTRIES LTD** Karachi, Pakistan  
Internship: Sept 2018 – Oct 2018

- **Critical Thinking skill:** Collaborated with a team of 4 interns to understand Client's requirement and then made calculation diameter of wires and tested cable insulation level, cable stress level in Quality & Control lab.
- **Analytical Skill:** Investigated strength of conductors and type of Insulation for high and medium voltage cables.

**E.A CONSULTANT PRIVATE LTD** Karachi, Pakistan  
Competition: Participated in Floor Designing Competition from Aug 2017 to Feb 2018.

- **Problem Solving skill:** Worked with a team of 5 members from Mechanical, Civil and Architectural fields and highlighted problems regarding construction design in work by our calculation aspects.

### ACADEMIC EXPERIENCE

#### LOAD FLOW ANALYSIS ON DFIG BASED WIND POWER PLANT (FYP)

Simulated model of Wind Power Plant on PSS/E and optimized Power flow in network with 80% efficiency.

### OBJECTIVE

A Self-motivated Electrical Engineer interested in an opportunity that will allow me to utilize my technical skills, Experience, and willingness to learn innovation in Electrical Power system and machines in making the organization successful.

### SKILLS

**TECHNICAL:** Multisim, MATLAB, ETAP, MS-Word, MS-PowerPoint, MS-Excel, Building Design expertise, Hands-on experience on ABB REF615 & RET615 relays.

**SOFT:** Communication, Problem-solving, Customer Relationship, Decision making, Energetic, Motivated, Time management, Critical Thinking, Honesty, Teamwork.

### VOLUNTERSHP:

- Worked as Promotion member in IEEE-PES NEDUET branch for promotion of scientific and academic events.
- Served TADREES society as a tutor and provided cost-free education to poor children.

### PERSONAL DETAILS

**PHONE:** 0330-2356689

**EMAIL:** [muzammil.ahmed97@gmail.com](mailto:muzammil.ahmed97@gmail.com)

**LINKEDIN:** <https://www.linkedin.com/in/muhammad-muzammil-ahmed-6b75b9108/>

**AGE:** 23

## INTERESTS

Reading Books, Renewable & Alternate Energy, Power Generation & Distribution System, Technological Innovation, Playing Scrabble, Travelling, Electrical Machines, Electrical Design of High Rise Building, Current affairs of a country.

## REFERENCE

Will be furnished on request.

## COMPLEX ENGINEERING PROBLEMS

*CEP Projects: Aug 2016 – July 2019*

- Designed a Power System Network on ETAP and analyzed load flow behavior of that network.
- Designed 50 Hz frequency Power supply.

## INDUSTRIAL VISIT TO K-ELECTRIC BQPS-II POWER PLANT

*Organized by IEEE-PES NEDUET Branch in April 2019.*

Examined various Department of Generation and Understand working of Power Plant, Cooling section, Security and Protection System. Complete guidance was provided by KE Plant Engineers and University faculty.

## ORGANIZATIONAL HEALTH & SAFETY CONDITION IN UNIVERSITY

Highlighted problems of hazardous wiring, lighting fixtures, open lid of main holes in various corridors and road of university, poor illuminance value in the lecture halls, computer and project labs by making a short video on Filmora software and provided optimal solutions.

## ORGANIZATIONAL BEHAVIOUR & MOTIVATION ASSIGNMENT

*Task Duration: June 2019 – July 2019*

- **Presentations:** Delivered several presentations on concepts and theories of motivation, influenced the students that Fear is a Powerful motivator.
- **Interviews:** Collaborated with a team of 4 team members to conduct interviews to assess behaviors, attitudes, personality of candidates and asked them certain questions in order to determine their Decision making and Communication capability.

## CERTIFICATION AND ACHIEVEMENTS

---

- Received Prime Minister Laptop for excellent academic performance in university.
- Acquired Golden Cards for 4 consecutive years in a school.
- Received merit-based scholarship for 4 successive years from Koshish Foundation in Ned University.
- Awarded Certificate on Hifz-ul-Quran from Tanzeem-ul-Madaris (2013).
- Acquired certificate on Power Distribution course and Electrical Design of high rise building (including CCTV, Access Control, IP and LV equipments) course from Skill Development Council (SDC) Karachi.
- Awarded Certificate of achievement on following courses by Schneider Electric
  1. Power factor & Harmonics
  2. Distributed Generation
  3. Demand Response & Smart Grid
  4. Energy Audit
  5. Energy Rate Structures and Reducing Electricity Bill