

# OSAMA HAROON MALLICK

## Electrical Engineer | Project Management & Power Systems

Karachi, Pakistan (Willing to Relocate) | +92 322 0217187

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Nationality: Pakistani | Passport: Valid / Ready for Overseas Travel

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### PROFESSIONAL SUMMARY

Results driven Electrical Engineer with 3+ years of experience managing high value technical projects in the maritime and corporate sectors. Expertise in Solar PV Systems, Vertical Transport (Elevators), and HVAC Infrastructure. Proven track record in optimizing energy consumption and leading technical teams to deliver projects under budget and ahead of schedule in strict accordance with PPRA Rules, ensuring full regulatory and compliance and transparency. Fully conversant with IEC/IEEE standards and international safety protocols.

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### CORE COMPETENCIES

- **Engineering:** Electrical Load Calculations, Power Distribution (LV/MV), Net Metering, & Solar PV Design.
  - **Infrastructure:** Vertical Transport Systems (Elevators), HVAC (Chillers/Cooling Towers), & Backup Power (Gensets).
  - **Standards & Safety:** IEC/IEEE Standards, HSE (Health, Safety, & Environment) Compliance, & Risk Assessment.
  - **Software:** ETAP (Power System Analysis), MATLAB/Simulink, MS Office (Advanced Excel), & Technical BOQs.
  - **Management:** Project Lifecycle Management, Vendor/Contractor Coordination, & Budget Optimization.
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### PROFESSIONAL EXPERIENCE

#### Pakistan National Shipping Corporation (PNSC) | Karachi, Pakistan

*Junior Executive Engineer – Technical Operations* | Feb 2023 – Present

- **Project Leadership:** Supervise technical renovation projects valued at PKR 400M+, ensuring all procurements and projects are commenced as per PPRA rules while meeting international engineering standards and local regulatory codes.
- **Vertical Transport:** Directed the decommissioning of legacy units and the successful installation of 06 new elevators (PKR 70M); reduced downtime by 25% through improved maintenance scheduling.
- **Renewable Energy:** Leading the design review and commissioning of Solar PV Systems with Net Metering for PNSC House and Beach Huts, targeting a 20% reduction in grid dependency.

- **Critical Cooling:** Managed the installation of precision cooling systems (PKR 18M) for high-availability server rooms and led the overhauling of Ebara chillers to improve HVAC efficiency.
- **Cost Control:** Engineered and implemented a fuel management tracking system that reduced diesel losses by 15% across backup power operations.
- **Compliance:** Conduct rigorous testing and commissioning (T&C) for all electrical installations to ensure 100% adherence to safety and performance benchmarks.

### **Growth from Knowledge (GfK) | Karachi, Pakistan**

*Junior Quality Associate – Global Coding Quality | Apr 2022 – Feb 2023*

- Maintained global quality assurance standards for international data operations.
- Utilized data analytics to identify operational bottlenecks, improving reporting accuracy for global stakeholders.

### **Allied Engineering & Services Pvt. Ltd. | Karachi, Pakistan *Internee Engineer* | Nov 2019**

- Supported senior engineers in testing and troubleshooting of industrial power equipment.

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## **TECHNICAL PROJECTS & AWARDS**

### **Project Engineer | Wireless EV Charging Prototype (DICE Program)**

- Developed a 1.5 kW wireless charging system utilizing mutual induction technology.
- Award: Runner-up at the SSUET Final Year Project Exhibition for innovative design and efficiency.

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## **EDUCATION**

- **B.S. Electrical Engineering** | Sir Syed University of Engineering & Technology (2022) | CGPA: 3.27/4.00
- **HSC – Pre-Engineering** | Govt. Degree College Malir Cantt (2017) | Grade: A-1 (74%)
- **Matriculation (Science)** | Pilot Public School (2015)

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## **CERTIFICATIONS & AFFILIATIONS**

- **Professional Certifications:** Fundamentals of Project Planning & Management (Coursera), Electric Power Systems (Coursera).
- **Language Proficiency:** IELTS (6.0 Bands), Fluent in English and Urdu.
- **Professional Membership:** Active Member of Institution of Electrical & Electronics Engineers Pakistan (IEEEP).
- **Logistics:** Valid Pakistani Driving License; Valid Passport; Attested Educational Documents available for immediate visa processing.