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| **Aarcha**  ***Electrical Engineering Professional***  ***Focus on: Oil & Gas/Water Project & Construction Industry***  **Mobile:** C/o 971506425478 **E-mail:** [aarcha.139461@2freemail.com](mailto:aarcha.139461@2freemail.com) | Untitled |

**Profile Synopsis **

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Versatile, Dynamic and Goal-driven professional equipped with 4+ years record of delivering key significant contributions towards companies’ continued business growth. Demonstrate robust competency in directing wide range of duties in domains of Electrical Engineer, Site Engineer and Project Management. Successfully managed low & high voltage distribution systems, operation-testing-commissioning as well as preventive-corrective maintenance; Exhibited proficiency in developing electrical shop drawings for residential lighting and concurrent mechanisms with accrued expertise in designing electrical load schedule and LV schematic diagrams. Competencies in Project management skills, including Process Instrumentation, Process Control, Power Distribution, Grounding, Lighting, Motors, Analyzers, and Electrical System Design. Have executed several turnkey projects implementing quality, health and safety programs; providing management oversight for all phases of the production, coordinating workers, material, and equipment. Strategic and effective team player with excellent planning, analytical, problem solving, decision making, organization, time management, communication & interpersonal skills; Seek a challenging work profile to utilize gained knowledge, experience and industry knowledge that will have a valuable impact.

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| **Strengths** | |
| * Gained 4+ years Gulf experience in Engineering field * Prowess in shop drawings & diagrams designing * Technically astute w/ .NET, C#, C, C++, MATLAB * Installation-troubleshooting-commissioning skills * Strict Adherence with Safety & Quality Policies | * Expertise in Electrical Eng. & Project Management * Quantity Survey/Estimation & BOQ preparation skills * Adroit with AutoCAD 2D/3D engineering software * MEP Coordination & Technical problem solving skills * Goal driven – Dynamic – Vibrant Personality |

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| **Educational Background** |

**Bachelor of Technology in Electrical & Electronics – TKM College of Engineering, India 2011**

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| **Career Snapshot** |

**Electrical Engineer – GIZ-Dornier Consulting, UAE Mar 2015 – Present**

**Electrical Design Engineer – Adeeb Electrical & Electronics Co. LLC, UAE Jul 2011 – Feb 2015**

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| **Achievements** |

* Gained 4+ years’ Gulf experience in domains of Electrical Engineer, Electrical Design Engineer, Project Management and Client Relations.
* Successfully passed E1 License exam and acquired technical expertise such as customized engineering packages - AutoCAD 2D/3D. Versed in Computer Languages: .NET with C#, C, C++, and MATLAB.
* Victoriously handled Project Portfolio such as Water Storage and Recovery in LIWA region, Abu Dhabi, GEANT Hypermarket & Male Staff Accommodation in Wahat Hilli Mall, Al Ain and Micro-inverters in Solar Powered Grid System.
* Played significant role on the biggest water projects (TRANSCO-subsidiary of ADWEA) as Electrical Engineer and coordinated various work with MEP Contracting and Water Projects Consultant.
* Successfully completed various trainings and workshop such as HAZOP, FATs and SATs and Jour fixes in Liwa site to keep a track of various electrical works.
* Propitiously completed engineering projects, coordinated all technical activities on assigned projects between all engineering disciplines and monitored compliance to applicable codes.
* Successfully completed training and passed an examination on the design, installation and testing of Electrical Installations in accordance with the Electricity Wiring Regulations (Third Edition) Abu Dhabi.
* Performed assigned workload with indefinable enthusiasm, commitment, honesty and dedication and drove towards contributing to continued business growth.

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| **Areas of Expertise** |

**Electrical Engineer – Construction**

* Design, tests, install & maintain large-scale of electronic equipment/machinery use in power generation or transmission.
* Perform the evaluation & inspection of electrical engineering projects to ensure that standards & requirements are met.

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* Manage the design, construction and maintenance of various electrical systems and components in buildings and structures, including power distribution and telecommunications, in buildings and structures; ensures compliance with relevant building codes and safety regulations.
* Prepare, maintain & review technical documentation such as drawings, specifications for electrical engineering projects.
* Responsible for quality control, electrical safety supervision at the time of commissioning the systems and accept all electrical systems from the contractor.
* Provide fit-for-purpose proposals taking into account operability, maintainability and system lifecycle including design and operational safety as an integral part of all work.
* Safeguard all interfaces are covered resolved during the construction or commissioning. Safeguard technical assurance of the adequacy of designs prepared by contractors.
* Ensure that the construction contractor completes satisfactory handover of all systems thru documents, asset registers, manuals, work process descriptions, as-built drawings, schematics, diagrams, warranties etc.
* Demonstrate a commitment to HSSE and show leadership and ensure compliance with HSSE rules and policies. Support HSE with risk assessments during commissioning phase.

**Electrical Engineer – Water Project**

* Design and build systems and machines for the generation, distribution, utilization and control of electric power including manufacturer, installation, operation and maintenance of power systems, circuitry, microprocessors, computer chips, controls and other industrial applications.
* Manage the electricity generated by hydropower, which is produced electricity when water flows over a dam and turns electrical generators.
* Plan, design, test, and install electrical supply systems and electronic components required by the water industry ranging from huge turbines to microcomputers.
* Design and develop remote sensing devices for detecting leaks and locating underground pipes and sources of water.
* Estimate the time and cost of projects, supervise construction plans and specifications and draw up contracts and operating and maintenance staff.
* Design and produce drawings of electrical systems using Computer-Aided Design (CAD).
* Calculate & design the type and arrangement of circuits, transformers, circuit-breakers, transmission lines & equipment
* Prepare and interpret specifications, drawings and regulations for the use of electrical equipment Work out delivery and installation schedules for electrical equipment. Ensure completed works meet specifications and safety standards
* Design and install control and signaling devices in the water supply and treatment network.
* Contribute and adhere to safety requirements.

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| **Proven Job Role** |

**Electrical Engineer, GIZ-Dornier Consulting, UAE**

* Reviewed contractor's documents and drawings and provide appropriate comments.
* Attended Jour fixes in Liwa site to keep a track of the various electrical works.
* Attended FATs and SATs for Electrical Equipment’s and HAZOP workshops.

**Electrical Design Engineer, Adeeb Electrical & Electronics Co. LLC, UAE**

* Developed electrical shop drawings for lighting, power, low current, fire alarm and emergency lighting for company’s fit-out projects. Accordingly submitted the same for ADDC approval.
* Designed electrical load schedule and LV schematic diagrams. Prepared Material and Shop Drawing Submittals
* Worked with team in conducting quantity surveys, estimation and BOQ preparation.

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| **Project Portfolio** |

**Project under GIZ-Dornier Consulting**

* Strategic Water Storage and Recovery in LIWA region, Abu Dhabi (Client: TRANSCO) - Reviewing documents and drawings submitted by Contractor. Attending meetings, HAZOP workshops and various FATs and SATs.

**Project under Adeeb Electromechanical Co. LLC**

* GEANT Hypermarket & Male Staff Accommodation in Wahat Hilli Mall, Al Ain - Provided efficient and proactive support in handling fit out works including initial design evaluation to identify quantity for BOQ pricing, appraisal of specifications pertinent in preparing material submittals, preparation of shop drawings and build drawings in harmony with site conditions, material procurement, etc.

**Academic Project**

* Micro-inverters in Solar Powered Grid System - The project were instigated to develop a micro inverter to connect a solar panel to power grid converting DC voltage to AC voltage. Micro controller PIC 16F73 was programmed to track the maximum power point of DC to AC conversion. Further study of the aforementioned microchip was facilitated for concurrent design and assembly of the aspired output.

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**Co-Curricular Activities**

* Facilitated two class seminars during 5th and 7th semesters of B. Tech.
* GRE exam: Quantitative reasoning score: 161, Verbal reasoning: 149
* IELTS score: 7.5

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| **IT Proficiency** |

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* Proficient in Customized Engineering Packages - AutoCAD 2D/3D
* Versed in Computer Languages: .NET with C#, C, C++, MATLAB
* Adept in MS Office Suite (Word, Excel, PowerPoint), E-mail & Internet Applications

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| **Personal Details** |

Nationality : Indian

Date of Birth : 08th Nov 1989

Marital Status : Single

Visa Status : Father’s Sponsorship Visa

Languages : English, Hindi & Malayalam

Reference : Available upon request