

Mohammed Zulfikar

Los Angeles, California 90007 | 213.292.7361 | zulfikam@usc.edu
www.linkedin.com/in/mohammed-zulfikar

Electrical and Energy Engineer

Motivated and results-focused Electrical Engineer and Project Manager with experience spearheading complex and effective projects. Possess a combination of project management, team leadership, and technical expertise.

- Motivational Leadership
- Program Management
- Lean Processes
- Full Life Cycle Management
- Electrical Engineering Expertise
- Stakeholder Communication
- Construction Management
- Research and Analysis
- Safety and Regulatory Compliance

Education & Certifications

Master of Science

Electrical and Electronics Engineering - Power - 3.71/4
University of Southern California, Los Angeles, California

Bachelor of Technology

Electrical and Electronics Engineering – 8.58/10
Birla Institute of Technology and Science, Dubai, UAE

EIT Certification – In Progress

Six Sigma - Yellow Belt

Technical Expertise

- C
- Python
- PSPICE
- XWORKS-DCS
- Matlab
- LabView
- Revit
- Auto-Cad
- Power World
- HVAC
- System Advisor Model
- EMPT-RV

Professional Experience

VIJAY NIRMAN COMPANY PVT LTD, Hyderabad, INDIA

2015 - 2017

Electrical Engineer - MEP Construction

Created technical drawings outlining electrical systems specifications and performed circuit analysis. Conducted load calculations for sizing wire, electrical schematics and circuit protection. Spearheaded analyses for power distribution and conceptualized requirements and specifications for the power distribution of a high tech Multi Specialty Emergency Severity Hospital.

Key Accomplishments:

- Directed and oversaw installations and supervised operations while consistently maintaining and ensuring that specifications and customer requirements were met.
- Utilized AutoCAD software to develop drafts of 2D and 3D designs.

SIEMENS LLC, Dubai, UAE

2014 - 2015

Technical Engineer – Building Technologies

Managed and supervised a small team. Consulted stakeholders and leadership in decisions and in developing logic designs on PLCs for exhaust fans, fan coil units and other HVAC systems. Oversaw building and installation of intelligent machine learning models. Delegated and scheduled work and project phases while ensuring regulatory and safety compliance and achieving project and company objectives.

Key Accomplishments:

- Utilized Xworks Plus to create digital logic designs and field automation prototypes.

AL SHABIA ENGINEERING, Sharjah, UAE

2013

Research Assistant – Energy

Led design and testing of an Electro-chlorination plant. Conducted statistical, qualitative and quantitative analyses. Planned, modified, and executed research techniques, procedures, and tests.