

Tapasvikumar Patel

Electrical Engineer · *Renewable Energy*

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6+

YEARS OF WORK EXPERIENCE

2016

START IN RENEWABLE ENERGY

5

ENGINEERING ROLES, FROM
INSTALLATION TO LEAD

4

LANGUAGES SPOKEN

01 PROFILE

Electrical engineer in renewable energy since 2016 with **6+ years of professional experience** across the full plant lifecycle. In India I led the **operation and maintenance of solar and wind power plants** and delivered **new solar plants under EPC** — from planning and module layout to DC/AC wiring, earthing, inverter connection and installation. Today I plan PV systems at Weigl GmbH in **AutoCAD and Helios 3D**. Core strengths: systematic fault finding, preventive and corrective maintenance, performance monitoring, efficiency optimisation and precise technical documentation.

02 WORK EXPERIENCE

Oct 2024 - today

🇩🇪 BODENMAIS · DE

Technical System Planner

PV PLANNING

Weigl GmbH

Technical planning of solar PV systems in AutoCAD and Helios 3D — plant layouts, technical drawings and planning documentation.

2023 - 2024

🇩🇪 MOOSBURG · DE

Working Student

SOFTWARE & TEST

Auto Damage Inspection GmbH

- Supported software development and production of car scanners
- Camera integration and panel wiring
- Set up a test environment that verifies software features against the installed hardware

2018 - 2019

🇮🇳 SURAT · IN

Lead Engineer (Project)

SOLAR EPC

KPI Global Infrastructure Ltd.

- EPC delivery of new solar plants, from plant planning and module layout to installation
- Electrical wiring, earthing and inverter connection
- Performance monitoring and efficiency optimisation

2016 - 2018

🇮🇳 SURAT · IN

Mantra Enterprise

Lead Technical Engineer

WIND O&M

- Led operations & maintenance of wind power plants
- Generation and performance monitoring, on-site inspections and component upgrades
- Fault finding and efficiency improvements

Technical Engineer

SOLAR PV

- Installation and electrical wiring of solar PV projects to CAD-approved designs
- Mounting structures and system set-ups for solar power plants and solar water heating

03 CORE EXPERTISE

 SOLAR PV

From module layout to *monitored yield.*

- PV plant design in AutoCAD & Helios 3D
- EPC delivery of new solar plants
- Wiring, earthing & inverter connection
- Structures for PV plants & solar water heating
- Performance monitoring & efficiency gains

WEIKL GMBH · KPI GLOBAL INFRASTRUCTURE · MANTRA ENTERPRISE

 WIND ENERGY

Keeping turbines *turning.*

- Generation & performance monitoring
- Maintenance & component upgrades
- On-site inspections
- Fault finding & root-cause analysis
- Process & maintenance documentation

MANTRA ENTERPRISE · SURAT

04 SKILLS

 Renewable energy

U1 PROJECT PLANNING & DESIGN

- Planning
- Technical drawing
- Drawing & drafting
- AutoCAD
- Helios 3D
- SketchUp 3D modelling

U2 EPC & INSTALLATION

- EPC project execution
- Installation
- Wiring & earthing

U3 OPERATIONS

- Operations & maintenance
- Performance monitoring
- Fault detection
- Efficiency optimisation
- Process documentation

ADDITIONAL SKILLS Software development · Test environments · Camera integration

05 EDUCATION

STEP 01 · LV



Diploma in Electrical Engineering

Gujarat Technological University

 INDIA

STEP 02 · MV



Bachelor in Electrical Engineering

UKA Tarsadia University

 INDIA

STEP 03 · HV



Master in Applied Computer Science

Technische Hochschule Deggendorf

 GERMANY

06 LANGUAGES

નમસ્તે



Gujarati

NATIVE

नमस्ते



Hindi

NATIVE

Hello



English

HIGHLY PROFICIENT

Servus



German

VERY GOOD COMMAND