BHUSHAN RAJKUMAR KHADE
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CAREER OBJECTIVE

Targeting an assignment in Renewable Energy Industry in Electrical & Electronics domain with an repute organization preferably in Electrical & Power/Energy/ Electronics

PROFILE SUMMARY

- **M.Tech.** in **Electrical Power System, currently working as an Engineer (Projects) in Gensol Engineering Pvt. Ltd.**
- Skilled in technologies like **Solar PV, MATLAB, dSPACE Controller (DSP Control Desk), Hardware Testing, PLC-SCADA.**
- Attended a workshop on **MATLAB** for **Electronics & Electrical Design and Simulation**
- Keen interest in **Renewable Energy – Solar Energy , Improvement of Electrical Power Quality, System Analysis, Electronics, Control Desk and Logic Control**
- Published **2 Papers** on **Improvement of Electrical Power Quality** in International Conferences, IEEE- ICECCT
- Possess a go-getter attitude along with strong communication, coordination, presentation, analytical, networking abilities and skilled to work in multi-cultural environments

WORK EXPERIENCE

Since August' 17 — **Engineer (Projects) in Gensol Engineering Pvt. Ltd.**

Role:

- Manages Solar PV related projects.
- Carry out Regulatory Affairs works in coordination with Solar Projects.
- Conducts and coordinates research and investigations into various projects.
- Manages multi-disciplinary project teams

Sept'16 – July' 17 — **Project Officer in Maharashtra Energy Development Agency (MEDA), (A Government of Maharashtra Institution)**

Role:

- Provides support to renewable energy related projects.
- Conducts the E-tender activities.
- Manages energy project data related to Energy Audit.
- Implementation of the Policies made by Central Government & State Government on Renewable Energy.
- Maintains an accessible project administrative support service to multi-disciplinary project teams

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Jun'15 – Apr'16/ July'16 –Sept'16 — **Assistant Professor in Department of Electrical Engineering, K.D.K. College of Engineering, Nagpur.**

Role: Worked on provided syllabus including subjects such as:

- Flexible A.C. Transmission System (FACTS)
- Electro Magnetic Field
- Electrical Measurement & Instrumentation
- Computer Aided Electrical Engineering
- Improvement of Electrical Power Quality

ACCADEMIC QUALIFICATION

- **M.Tech.** in **Electrical Power System** from Government College of Engineering, Amravati in 2015 scored **8.89/10**
- **B.E.** in **Electronics & Telecommunication Engineering** from R.T.M. Nagpur University, Nagpur in 2013 scored **69.69%**
- **12th** from Dr. Ambedkar College, Nagpur, (Maharashtra State Board) in 2009 scored **76.50%**
- **10th** from Jupiter High School, Nagpur, (Maharashtra State Board) in 2007 scored **85.38%**

Others Courses & Workshop:

- **Solar photovoltaic Off-grid and On-grid: Design & Installation** course from Ministry of New & Renewable Energy and National Institute of Wind Energy.
- **Advanced Certificate in Power Distribution Management** (ACPDM) from Indira Gandhi National Open University in 2015 scored **70%**
- **PLC - SCADA** course from Government Polytechnic, Nagpur in 2016
- Attended a workshop on **MATLAB** in March 2014 from Government College of Engineering, Amravati

PROFESSIONAL AFFILIATION

- **Chartered Engineer (India)** awarded by "The Institution of Engineers (India)"
- **AMIE** (Associate Member of Institution of Engineers) in Electronics and Telecommunication Engineering Division

PUBLICATIONS

- **"**Mitigation of Harmonics in a Neutral Conductor for Three-Phase Four-Wire Distribution System using Series Active Power Filter", IEEE ICECCT Conference Proceedings, ISBN No.: 978-1-4799-6084-2, at Coimbatore, Tamil Nadu, March 2015, pp. 421-426.
- "Mitigation of Zero Sequence Harmonics in Three-Phase Four-Wire Distribution System", ICRTIET Conference Proceeding, ISBN No.: 978-3-643-24820-01, at Wardha, Maharashtra, December 2014, p. 70.

ACADEMIC PROJECTS

M.Tech. **Jul'14 — May'15**
Title: **Mitigation of Harmonics in a Neutral Conductor using dSPACE Based Series Active Power Filter (Hardware/Prototype)**
Description: The proposed work involved design and implementation of a dSPACE based series active filter and the simulation based on MATLAB Simulink and also the prototype was implemented. The main objective of the project was to develop the mitigation technique that can eliminate current harmonics in both the neutral conductor and the distribution transformer by employing only one active filter installation set.

B.E. **Jul'12 — May'13**
Title: **Design, Fabrication of Low Noise Amplifier (at 5 GHz) and Study of Antenna**

TECHNICAL SKILLS

- MATLAB
- DSPACE (DSP Control Desk),
- Hardware Testing
- PCB Designing
- PLC (Allen-Bradley Control Logix, MicroLogix, SLC 500)
- SCADA (RSView32, Wonderware)
- LaTex
- Microsoft Office

PERSONAL DETAILS

Date of Birth:	9th December 1991
Languages Known:	English, Hindi and Marathi
Address:	Row House No. 13, Nirmal Nagari, Nandanvan, Nagpur, 440009, Maharashtra, India