

Gaurav Dutta

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Career Objective

Aim to work as an Electrical Engineer with good career growth opportunities where my talent and knowledge could be subjected and utilized for the benefit of the organization so that I can enhance my personal as well as my professional skills for the overall development.

Work Experience

- Working as an **Electrical Engineer** at **M/s KAILASH ELECTRICALS (Electrical Engineers & Contractors)**, Kanpur.
Duration: From 1st September, 2017 till present.

Company Profile: **KAILASH ELECTRICALS** is a leading service provider of Repairing & Electrical Contractor service working mainly for **INDIAN RAILWAYS**. Company works in designing, construction & maintenance of Traction Sub-Station and OHE works of Indian Railways. Other projects includes such as DMRC, JMRC & others commercial projects.

Head Office: **KANPUR, UTTAR PRADESH.**

Role: Holding a position of **Electrical Engineer** in the company where further appointed as :-

- ✦ **Project Manager at Mankapur-Tikri-Ayodhya & Katra Section of Uttar Pradesh** leading a team to operate & managing all the works of foundation of equipment at site, Erection and Testing of equipments such as Circuit Breaker, Interruptors, Lightning Arrestors, CT, PT and Mast etc.
- ❖ Handling the work of operation of Control & Relay panel for the commissioning of Traction Sub Station and working on the termination of cables to Control & Relay panel from each equipment.
- ❖ Responsibility of designing & drawing of different section of SP, SSP & TSS and its approval from the different govt. officials.
- ❖ Responsible for Testing of Circuit Breaker, Interrupter, Lightning Arrestor, CT, PT, Capacitor Bank and complete transformer (**Make: ABB, CGL, BHEL**) testing in the presence of Govt. officials.
- ❖ Authority to discuss about all issue with the work or any technical discussion with the departments regarding the completion of work.
- ✦ **Project Manager at Mumbai-Pune division** executing the work of provision of Capacitor bank of different rating as per load in 14 Sub-station of Mumbai-Pune division.
- ❖ Erection of Mast, Steel & Capacitor bank and series reactor of different location of Mumbai-Pune division.
- ❖ Testing of Circuit Breaker, Interruptors, Capacitor bank & series reactor at different location in Mumbai-Pune division.

✦ **Other Technical works :-**

- ❖ Experienced in working of construction, erection and commissioning of 132/25 kV, 66/25 kV traction substation.
- ❖ Complete knowledge in Designing of 132/25 kV Traction Sub-Station on AUTOCAD including the General Arrangement drawing of TSS, SP & SSP as well as different section such as Fencing Layout, Earthing layout, Cable run layout, Foundation layout, Feeding Post & others drawings.
- ❖ Knowledge of Single Line diagram of grid substation and its preparation for blue prints.
- ❖ Experienced in functioning of Control & Relay Panel as well as Capacitor Bank Panel & Distribution Panel.
- ❖ Basic knowledge of AC, DC Motor and its functioning and its speed control methods.
- ❖ Knowledge of various tools used for testing such as 5 kV & 500 V Megger, Multimeter, Current Clamp Testing
- ❖ Reading of blue prints of drawings and fetching the information regarding the Bill of material to be supplied to railway and technical aspects of drawings.
- ❖ Experienced in complete tendering work i.e. preparing the Tender documents and its submission, preparation of Assessment and proposal offer for the departments. Experienced in preparing the purchase order for the supply of materials.
- ❖ Experienced in creating the measurement sheet of work to raise the bill to the railway department.
- ❖ Experienced in Accounting work for preparation of Railway Account bills as well as Price Variation bills to the department.
- ❖ Experienced in Preparing the EIG Report of Sub-stations for submission to the department for future use.

Educational Qualifications

Bachelor of Technology, Electrical & Electronics (2016 Batch) from Dr. A.P.J. Abdul Kalam Technical University, Lucknow (formerly known as Uttar Pradesh Technical University (UPTU)).

Examination	Board/University	School/College	Year of Passing	Percentage
Bachelor of Technology (B.Tech)	AKTU	Noida Institute of Engineering & Technology, Greater Noida	2016	67.92%
Intermediate (XII)	ISC	Dr. V.S.E.C., Kidwai Nagar, Kanpur	2012	91.0%
High School (X)	ICSE	Dr. V.S.E.C., Kidwai Nagar, Kanpur	2010	84.4%

Project Summary

- **Title** : “Traffic Surveillance Using Solar Based Quad copter”
- **Technology** : Wireless Communication
- **Team Size** : 4
- **Responsibility** : Project Head, Literature Survey, Switching Design and Tuning gains.

Description: A Project design for Traffic Monitoring & Control operations using Flying Robot (Quad-Copter) with Solar charging capability. The project was based on the micro-controller (ATMEGA 328) used for programming purpose. The goal of this project was to an automated control system for the UAV (Unmanned Aerial Vehicle), allowing the vehicle to fly without human intervention. The system would consist of GPS tracking for location tracking. The device could also be programmed to perform a systematic sweep over a large area for search and rescue purposes. For future development, our motion tracking software will have the goal of being able to track multiple targets consisting of humans and vehicles.

Training & Certifications

- Workshop on “ANDROID” at **IIT, Delhi** in the year 2013-2014.
 - Workshop on “Wireless & Telecom” at **Cetpa Pvt. Ltd., Noida**
 - Workshop on “PLC & SCADA” at **Spectrum Infogain Services, Noida**
 - Certified in **Programming Language C**
 - Certified in **Embedded System VLSI**
 - Certified in **Electrical System Design** from **Advance Electrical Design & Engineering Institute.**
1. **Summer Training:** Worked as a trainee in **National Thermal Power Corporation, Dadri**
Duration: July 10, 2015 – August 6, 2015.
Role: NTPC Dadri is a unique power plant of NTPC group which has both coal based thermal plant and gas based thermal plant of 1820 MW and 817 MW and 5 MW solar plant totaling 2642 MW.
 2. Two months training of **Electrical System Design** course.
Duration: June 24, 2017 – August 17, 2017.
Skills Learned: System planning (Power system modernization and evaluation studies), Cost estimating of Industrial Power systems, Lightning Design (Illumination laws, Interior& Exterior lightning), Cable Sizing and Selection of Single phase and Three phase (includes load details), Internal Electrification design (includes layout using AutoCAD), Protection of Building and Allied Structure against Lightning, Earthing Design and Calculation of Power plants & Design and Engineering of Transmission Line

Key Competencies	Tools Used
<ul style="list-style-type: none"> • Subject of Interest: Mathematics, Basic Electrical Engineering, Signal & Systems, Electrical Machines & Power Systems. • Proficient in MS Office with good typing speed. 	<ul style="list-style-type: none"> • Microsoft Office (Word, Excel, Power-Point) • AUTOCAD (Electrical) • Illumination's Tool for Lightning • ETAP (Electrical Power System Analysis) • MATLAB

Key Strengths	
<ul style="list-style-type: none"> • Leadership qualities • Good Work Ethics • Good Communication Skills • Optimistic 	<ul style="list-style-type: none"> • Good Interaction among different persons • Easily adapt new environment • Having good debate skills

Achievements

Academics

- Secured 3rd position in MASCON.
- Participated in **INTERNATIONAL MATHS OLYMPIAD** and secured 4th position.
- Achieved Distinction in various subjects (Engineering Mechanics, Basic Signal & System, Control System, EMFT & Electric Machines) in B.Tech.
- Topped in Mathematics in Class XII.
- AMCAT Percentile - [Quantitative Ability-88.5, Logical Ability-94.7].
- eLitmus Percentile - [Quantitative-91.12, Problem Solving-86.64].

Personal Profile

Father's name : Mr. Arun Dutta
 Date of Birth : 4th May, 1994
 Languages known : English, Hindi, Punjabi
 Permanent Address : Plot No.-1, Block No.-2, Govind Nagar, Kanpur-208006 (U.P)

Date: 10th September, 2020
Place: Kanpur, Uttar Pradesh

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