**ATUL RAJ**

BACHELOR OF TECHNOLOGY

ELECTRICAL & ELECTRONICS ENGINEERING

**Mobile** : 9953076524

**E-Mail Id** :[rajatul0502@gmail.com](mailto:rajatul0502@gmail.com)

**CARRIER OBJECTIVE**

Intend to get a position to utilize my skills and abilities into practice for mutual growth and benefit and make endeavors towards the way which is innovative, creative and excel in my field.

**ACADEMIC DETAILS**

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| **EXAM** | **YEAR** | **UNIVERSITY/BOARD** | **COLLEGE/SCHOOL** | **PERCENT** |
| B.Tech (EN) | 2013-17 | UPTU (AKTU) | KANPUR INSTITUTE OF TECHNOLOGY,KANPUR | 75.58% |
| 12th | 2012 | BIHAR BOARD | +2 M. L. ACADEMY  DARBHANGA | 61.00 % |
| 10th | 2010 | BIHAR BOARD | +2 M. L. ACADEMY  DARBHANGA | 63.20% |

**WORK EXPERIENCE**

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| **Chamak India-** Solar Energy Company, Delhi/NCR  **Designation :**ElectricalDesign Engineer (R&D)  **Duration :**February2018 to \_ \_ \_   * Understanding client requirement. * Solar Radiation &Designing 3D layout of solar system in Rooftop by Google SketchUp for shadow analysis. * Generation of PVsyst report for optimization of Tilt angle, Pitch and Final yield energy. * Sizing and specifications for DC Designing, String sizing, Inverter selection, Cable sizing, Fuse selection, Earthing system design, Designing of cable route,Load analysis, Battery &Charger System, ACDB selection etc. * Preparation of SLD & Layout of solar power plant in AutoCAD. * Preparation of DC wiring layout, Earthing plan etc. * Connection of PV Module, Module Mounting Systems, Energy Efficiency & Calculation, Losses in GC PV Systems, System yield & Performance. * AC/DC loss analysis and calculations. * Power plant power flow analysis, fault level calculation preparation. * Power plant electrical equipment performance analysis. * Cost Estimating of Industrial Solar Power Plant. * Designs as well as develops solar products based on embedded system, applying knowledge principles of electrical & electronics theory, design and also engineering. * Performance duties as described as a project lead in R&D Department.  |  |  |  | | --- | --- | --- | | **ORGANIZATION** | **DURATION** | **SUMMARY** | | NMDC, Chhattisgarh | 06 Weeks | Acquire practical knowledge of electrical and electronics machines, equipment’s and there maintenance and controlling which required in industries. Proper knowledge about substations. | | TATA MOTORS, Kanpur | 04 Weeks | Practical knowledge about ECU, ACRS, ABS, AEBS and others system which used in automobiles. | | NHPC, Faridabad | 06 Weeks | Improved knowledge & practical skill training in hydro power plant. |  * May use computer-assisted engineering & design software as well as equipment to formulate test electrical & electronics design. |
| **Sofcon India Pvt. Ltd. -**Solar Design & Drafting, Delhi/NCR  **Designation :**Electrical Trainee  **Duration :**November 2017 to January 2018   * Solar Radiation & Shadow Analysis, Selection & Sizing of PV Cells, Solar Power Plant Balance of System, Selection & Sizing of Solar Inverters, Cable System Design, Battery & Charger System. * Connection of PV Module, Module Mounting Systems, Energy Efficiency & Calculation, Losses in GC PV Systems, System yield & Performance. * Electrical Design & Load Analysis, System Protection & Electrical Safety, System Commissioning Techniques, System Installation Techniques,Maintenance & Troubleshooting. * Cost Estimating of Industrial Solar Power Plant. * Solar Power Plant Layouts/ Drawings. |
| **Kanpur Institute of Technology (KIT) -** Engineering Institute, Kanpur, UP, India  **Designation :**Hardware Project Trainer  **Duration :** February 2017 to May 2017   * Hardware Training provide based on live electrical & electronics project to my junior 3rd & 2nd Year Electrical & Electronics Engineering (EN) branch during pursuing my B.Tech final year in 8th semester. * Provide training mainly on microcontroller AVR (ATMega32), electrical & electronics based hardware projects. |
| **Kanpur Institute of Technology (KIT) -**  Engineering Institute, Kanpur, UP, India  **Designation :**Trainee  **Duration :** December 2015 to May 2017   * Designs as well as develops electrical & electronics hardware projects based on embedded system, applying knowledge principles of electrical & electronics theory, design and also engineering. * Performance duties as described under Embedded Trainer in R & D Department. * May use computer-assisted engineering & design software as well as equipment to formulate test electrical & electronics design. |

**INDUSTRIAL TRAINING**

**ACADEMIC PROJECT**

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| **PROJECT TITLE** | **SUMMARY** |
| The Next Generation ROBO CAR | ROBO CAR is working model or proto type of upcoming vehicles with improved safety and upgraded driving modes. Function of robo car are following:- Automatic control (Driver Less),Remote Control ,Computer Control, Voice Control, AEBS, V2VSafety, DOS, IPSA& Air Jet System. |
| Super Car | Modification of Maruti 800 to convert racing car with advance electrical and electronics technique. When you once put both hand on steering then after electronics appliances will activate & a sound produce then after engine will start by using switch.If you put single hand on steering then car will not start. |
| ***Many others based on Electrical, Microcontroller and Power Electronics.*** | |

**TECHNICAL SKILLS**

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| Solar Design & Drafting | Electrical AutoCAD | HelioScope |
| SketchUp | PVsyst | Embedded Hardware |
| ISIS Proteus | ROBOTICS (AVR) | PLC |

**FUNCTIONAL SKILLS**

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| --- | --- | --- |
| Model Designing | Project Initiation | Project Tracking |
| System Development | Time Management | Leadership |

**PROFESSIOAL SKILLS**

* Attended GIAN lecture series on Pipe Inspection Robots for Structural Health Monitoring at **IIT, KANPUR.**
* **CO-CONVENER**(Technical Events) in the Annual Techno-Cultural Fest.
* **CONVENER**of Embedded workshop which was held in my college.
* Participated in an **EXHIBITION**& presented total 17 hardware projects.

**ACHIVEMENTS**

* **Best Student Award** for Technical Activities in Farewell-17 at B.Tech level.
* Institute presented Medal along with certificate for excellent performance in B.Tech 3rd Year for Academic Session 2015-16.
* Memento for the Annual Techno-Cultural Fest “ENGENIOUS-17”.

**CORE STRENGTH**

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| Hardworking | Smartworker | Friendly |
| Goal Oriented | Ability to work in small and large teams | |

**PERSONAL DETAILS**

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| **DATE OF BIRTH** | **GENDER** | **HOMETOWN** |
| 05-FEB-1996 | MALE | GURGAON |
| **RELATIONSHIP** | SINGLE | |
| **FATHER’S NAME** | ANIL KUMAR YADAV | |
| **ADDRESS** | 1147, FIRST FLOOR, G-BLOCK, SHUSHANTLOK-2, SECTOR-57, GURGAON, HARYANA (122003) | |

**DECLARATION**

I hereby declare that the above-mentioned information is correct up to my knowledge and i bear the responsibility for the correctness of the above-mentioned particulars.

**DATE:**

**PLACE:**Gurgaon **NAME :**ATUL RAJ