

SATYAM KUMAR

Final year B.Tech, Electrical Engineering undergraduate.

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EDUCATION

**NATIONAL INSTITUTE OF TECHNOLOGY,
PATNA** B.Tech, Electrical Engineering (2017 -2021)
CGPA- 7.51 (Till 6th semester)

ST. MICHAEL'S HIGH SCHOOL, PATNA
Intermediate C.B.S.E. (2016)
Percentage: **88.20%**

LEEDS ASIAN SCHOOL, PATNA
Matriculation C.B.S.E. (2014)
CGPA: 10/10

SKILLS

1. **Language:** C, C++, Python
2. **General and graphic Application:** HTML, JavaScript, CSS, DOM, Bootstrap, JQuery, PHP
3. **Courses:** Python Data Structures, Python OOP, DBMS, MySQL
4. **Others:** Microsoft Office, PLC and SCADA, Microprocessor (8085,8086), Microcontroller 8051, Matlab/Simulink
5. **Linguistic-** English, Hindi, Japanese
6. **Non-technical/Corporate skills:** Negotiation, Communication, Management, Leadership, Writing skills, Fast learning, Persuasion, Team player, Creativity.

PROJECTS

Design and Analysis of Multilevel Inverter for Electric Vehicle Applications.

- Introduced a new configuration of multilevel converter in electric vehicle (EV) applications.
- The proposed configuration is tested and validated using a MATLAB/Simulink simulation model.

Design of Parabolic carrier SPWM Technique for Reduced Switched modified H-bridge Inverter.

- Implemented parabolic carrier-wave level-shifted pulse width modulation technique for five-level inverter topology.
- Established the prototype of five-level inverter for the verification of theoretical as well as simulation results.

INTERNSHIPS

Engineering Design Intern

VARDHAN CONSULTING ENGINEERS
(1 May 2020-15 June 2020)

- Tech-commercial analysis of case Study of Electrical Auto-rickshaws (TO-TO) in India.
- Case study of Electrical vehicles in Indian market, their growth, problems faced and detailed case study

WORKSHOPS AND TRAININGS

1. **Corporate Skill development**
VARDHAN CONSULTING ENGINEERS April 2020 – May 2020
Worked on developing corporate skills, self - evaluation, Strengths and weaknesses.
2. **Winter Training**
PGCIL (Dec 2019) Muzaffarpur, Bihar Working and functioning of power grid.
3. **Summer training**
East Central Railway (June 2019) Patna, Bihar. Working and functioning of roof mounted package of SGAC & LHB type railway coaches, DG set of power cars, power storage and distribution.
4. **Workshop on Internet of Things**
NIT PATNA (March 2018)
5. **Workshop on Internet of Things**
TechieNest Pvt. Ltd, NIT Patna (Nov 2017)

POSITIONS OF RESPONSIBILITY

1. Event and stage management member, freshers' welcome 2018, NIT Patna
2. School Head boy for two consecutive years.

EXTRA CURRICULAR ACTIVITIES & INTERESTS

- Participated in Techno-cultural fest.
- Art & crafts
- Photography-
<http://instagram.com/pixel.and.paint>