

## NIKHIL REDDY SATTI

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### EDUCATION

<b>University of Illinois Urbana-Champaign, Gies College of Business</b> Master of Science in Business Analytics, (Expected Graduation: May 2024)	<b>Champaign, Illinois</b> GPA:
<b>Visvesvaraya National Institute of Technology</b> Bachelors of Technology in Electrical and Electronics Engineering, June 2021	<b>Nagpur, India</b> GPA: 8.27/10

### EXPERIENCES

<b>Deloitte USI</b> <i>Business Technical Analyst – Consulting(Core Business Operations)</i> <ul style="list-style-type: none"><li>Designed technical solutions and implemented multiple features and updates</li><li>Enhanced the performance by up to 70% by reorganizing DB interactions</li><li>Fixed multiple defects with an extremely low turnaround time</li><li>Lead multiple testing cohorts of various functionalities to find critical issues prior to production</li></ul>	<b>Hyderabad, India</b> July 2021-July 2023
<b>Suzlon Energy</b> <i>Intern– Suzlon Energy, Corporate Social Responsibility Division</i> <ul style="list-style-type: none"><li>Analyzed the raw data of CSR activities done over the entire fiscal year and generated multiple thematic reports by sorting various activities</li><li>Provided insights on the work done and suggested possible increments to increase the reach of social activities</li></ul>	<b>Pune, India</b> May 2020-July 2020
<b>Bharat Heavy Electricals Limited</b> <i>Intern– BHEL, Generator Manufacturing Unit</i> <ul style="list-style-type: none"><li>Understood the manufacturing process of a turbo-generator of various power ratings</li><li>Attended various workshops on individual component manufacturing</li></ul>	<b>Hyderabad, India</b> May 2019-June 2019

### CAMPUS EXPERIENCES AND PROJECTS

<b>Solar PV Based Water Pumping System</b> <ul style="list-style-type: none"><li>Designed an end to end Solar PV Water Pumping Solution with latest Controllers to maximize power output for rural places and developed simulations to present the design specs</li></ul>	July 2020-May 2021
<b>Student Mentor for Electrical Department</b> <ul style="list-style-type: none"><li>Onboarded 15 freshmen year students by helping them with administrative works</li><li>Helped them with various academic and non-academic issues throughout my tenure</li><li>Made sure that their mental well being is given proper importance</li></ul>	May 2019-July 2021
<b>Cultural Fest</b> <i>Reception Head</i> <ul style="list-style-type: none"><li>Planning the locations of all events and estimating the workforce required to handle the crowd based on data from previous years trends</li></ul>	June 2019-May 2021
<b>Firing of Power Electronic Converters</b> <ul style="list-style-type: none"><li>Analyzed latest firing techniques of power electronic switching control techniques and implemented Selective Harmonic Elimination method and reduced harmonic from 65.01% to 15.80%</li></ul>	June 2019-July 2019

### ADDITIONAL INFORMATION

- Programming Languages: C, JAVA(coupled with Spring Boot, Hibernate)
- Microcontrollers: STM32M4, FPGA, Atmega328
- Softwares: MATLAB, PSIM, EdSim, Eclipse IDE, Maven, Eclipse Luna
- Version Control Tool: GitHub
- Cloud Deployment Technologies: Jenkins, UCD, PCF

### CERTIFICATIONS AND LICENSES

- Digital Control of Power Electronic Converter for Drives and Energy System (TEQIP-III, VNIT)
- Exploring Renewable Energy Schemes by University of Pennsylvania