AMEY GUDHEKAR

Instrumentation Engineer

CONTACT

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143/B-20,KSHITIJ CHS, PAWAR NAGAR,THANE-400610.

EDUCATION

BE - Instrumentation Engineering (2022-23) [7.14]
Ramrao Adik Institute of Technology,Navi Mumbai.

HSC (2017-18)
Saraswati Vidyalaya and Junior college,Thane.

SSC (2015-16)
Little Flower High School,Thane.

TECHNICAL SKILLS

- Project Management
- HMI
- RTU
- IoT
- Transformer Monitoring
- Relay Testing
- Analyzer

IT SKILLS

- HTML
- CSS
- Core JAVA
- MySQL

ABOUT ME

I am Amey Sanjay Gudhekar. I have hands-on problem solver with a strong technical mindset. Skilled in system testing, on-site troubleshooting, and software deployment. Experienced in working with SCADA systems, ensuring seamless integration and performance. Passionate about optimizing and maintaining industrial automation solutions.

WORK EXPERIENCE

A-EBERLE SYSTEMS PVT LTD (Jan 2024 - Present)

Ensuring Reliable Power Solutions | Specialized in installation, testing, and commissioning of REGsys REG-D/REG-DA Voltage Control & Transformer Monitoring Systems. Passionate about optimizing energy infrastructure and supporting the energy transition with cutting-edge SCADA and power quality solutions.

SITES COMMISSIONED

1. UAE Cybersecurity

- **Umm Al Daman Substation, DEWA.**
- **Cement Substation, DEWA.**
- **Valley Substation, DEWA.**
- **MBR Solar, DEWA.**
- **Umramool Substation, DEWA.**

2. INDIA

- **GUJRAT- Reliance Industries Limites, Jamnagar.**
- **GUJRAT- 66/11kV, KSS Substation, Torrent Power, Surat.**
- **ODISHA-400/220/34.5kV, Switchyard, MSDS 1, JSPL, Angul.**
- **CHHATTISGARH-132/6.6kV, NMDC, Bacheli.**

ACHIEVEMENTS

SANGEET VISHARAD IN TABLA
Akhil Bhartiya Gandharva Mahavidyalaya Mandal,Vashi.

HOBBIES

- To Play Music
- Riding Bike
- Travel
- Swimming

- **DELHI-66/11kV Dwarka Grid Substation, BRPL**
- **GOA-400/220kV Xeldem Substation, Sterlite Power, Dharbandora**
- **TAMILNADU-52.8 MW SAUPL, Mulanur.**
- **MAHARASHTRA-260MVA, Thermal Power Station, NTPC, Solapur.**
- **MAHARASHTRA-220kV GIS Substation, PDG, Airoli.**
- **MAHARASHTRA-Mahindra & Mahindra, Kandivali.**
- **MAHARASHTRA- BBL, Airoli.**

PROJECT

GARBAGE COLLECTING ROBOT

The proposed model concept is represented that the robot is operated using an android mobile phone or a laptop. The WIFI module is interfaced with Arduino to control the robot using a mobile from far away. Using ultrasonic sensors, obstacles or wastes are detected and the data is sent to an Arduino for processing.

The trash is picked up by the robotic arm and the motion of the robotic arm is controlled by 4 servo motors. A metal sensor is used to detect whether the collected garbage is metal or nonmetal. Using motor drivers, the rotational speed of motors is controlled for the movement of the robot as per requirement. The battery inside the robot provides the power needed for all the operations.

SOLAR POWER INVERTER

A solar inverter or photovoltaic (PV) inverter is a type of power inverter which converts the variable direct current (DC) output of a photovoltaic solar panel into a utility frequency alternating current (AC) that can be fed into a commercial electrical grid or used by a local, off-grid electrical network.

The solar panel and the batteries that are placed on rooftops attract Sun rays and then convert the Sunlight into electricity. The batteries too grab the extra electricity so that it can then be used to run appliances at night.

SOLAR POWERED BICYCLE

Solar powered bicycle also known as solar e-bike is an electric bicycle with an electric motor which is driven by the use of power from the battery which is being charged using solar energy by solar panels.

Solar powered bicycle aims for developing an efficient and economical bicycle which can replace gasoline powered bikes as a mode of transports..