



JAYANTA KUMAR KAKATI

B.E Electrical Engineer (1 year GAT exp. at NRL)

📞 8486280640 ✉️ jayantakumarkakati1999@gmail.com [in Jayantakakati](#)

Address: Vill- Radhakuchi, P.S- Baihata Chariali, P.O- Karara, Pin No: 781381 , Dist: Kamrup,Assam

Language: Assamese,English,Hindi

Objective

Detailed oriented and result-driven Electrical Engineering Graduate with **1 year of hands on experience as a Graduate Apprentice Trainee in the Petrochemical industry (NRL)**. Seeking to leverage technical expertise in **power systems, instrumentation , industry automation, panel troubleshooting and motor maintenance** within a dynamic organization. Eager to apply strong analytical and leadership skills to challenging projects while continuously learning and growing in challenging environment. Eager to secure a role within a forward-thinking industry, prepared to leverage my knowledge and give maximum effort to achieve company goals.

Education

- **Graduation:** 2021

College: Bineswar Brahma Engineering College
Board: Assam Science And Technology University
Department: Electrical Engineering
Percentage: 81.23%

- **HS:** 2016

College: Pub Kamrup College, Baihata Chariali
Board: Assam Higher Secondary Education Council
Percentage: 75.80%

- **HSLC:** 2014

School: Sankardev Sishu Niketan, Karara
Board: Board of Secondary Education Assam
Percentage: 75.80%

- **PGDCA(Computer):** 2022

Institute: MK Tech
Board: E-Max Council for Vocational Training and Education
Percentage: 78%

Professional Experience

Graduate Apprentice Trainee (GAT) I Electrical Maintenance I Numaligarh Refinery (1 year Focused Experience).

- **Power Distribution Management:** Executed pro-active troubleshooting and fault isolation on High Tension (HT) and Low Tension (LT) electrical panels, Distribution breakers and cabling infrastructure along with its health checkup to guarantee stable power supply to critical refinery units. Proficient in transformer operation, maintenance and the application of relay protection schemes. Sufficient knowledge in Proper MCB and Cable size calculation for the important units and motor used in industry.
- **Machinery Protection:** Managed routine inspection and maintenance of motor protection system, ensuring the longevity and reliable operation of high value rotating machinery (e.g., pumps, compressor) directly applicable in Refinery plant.
- **Process Control and uptime:** Performed specialized maintenance and calibration of Motor operated valves (MOVs), a key component in controlling material flow and demonstrating competence in managing critical industrial instrumentation.
- **Safety and Compliance:** Maintained accurate technical log and generated detailed operational reports using MS Excel ensuring compliance and contributing to predictive maintenance scheduling. Adhered strictly in industrial safety, Loto system and documentation protocols, utilizing expertise in panel Troubleshooting in rapidly diagnose and resolve equipment malfunctions.

Technical Project

Project 1: IoT-Based Home Security System

Core Technology: ESP8266 WiFi Module Integration ,sensor Interfacing.

Project 2: Water Level & Fire Detection System.

Core Technology: Arduino, Microcontroller, Multi sensor integration, IQ2 sensor

Project 3: Analog Gas Sensor Warning System

Core Technology: Gas Sensor, LED/LCD Display, Buzzer, Serial Monitor Logic.

Project 4: Integrated SCADA system Design.

Core Technology: Arduino Integration, Visual Studio interface Development.

Internship and Training Experience

- **1 year GAT in Numaligarh Refinery Limited** in Electrical Maintenance.
- 1 month IOT Training by **Electronics and ICT Academy ,IIT Guwahati**
- 15 days Training on energy Distribution by **APDCL, Assam**
- 15 Days Training on energy Generation by **NTPC Bongaigoan.**

Training and Certification

- 3 Months Computer Course Including Microsoft word, Photoshop, windows OS and Microsoft office.
- 1 year Post Graduate Diploma in Computer Application (PGDCA)
- Embedded system and IOT Workshop
- Integrated SCADA Designing with Arduino and visual Studio workshop

Personal Skill

- Presentation Skills
- Communication Skills
- Analytical Skills
- Leadership Quality

For all my Certificate and Document

