

AAQIB UMER M SHAH

ELECTRICAL ENGINEER

AMRAVATI, MAHARASHTRA | amshah1605@gmail.com | +91-9730158657

CAREER OBJECTIVE

Enthusiastic Electrical Engineering Graduate with a strong foundation in power systems, substation operations, and electrical maintenance. Hands-on experience in 33/11 kV substations, LT line feeders (440V), and power distribution systems. Proficient in MATLAB, AutoCAD Electrical, and electrical testing tools. Seeking an opportunity to apply my knowledge in electrical engineering, power system optimization, and renewable energy.

EDUCATION

SHRI VILE PARLE KELAVANI MANDAL'S IOT, DHULE | B-TECH IN ELECTRICAL ENGINEERING | 2024

- CUMULATIVE GPA: 6.78/10
- PERCENTAGE: 62.80

GOVERNMENT POLYTECHNIC, PUNE | DIPLOMA IN ELECTRICAL ENGINEERING | 2021

- PERCENTAGE: 70.53

SAIFEE JUBILEE JR COLLAGE, AMRAVATI | HIGHER SECONDARY 12th | 2016

- PERCENTAGE: 57.23

BHAGYSHREE VIDYALAYA ASADPUR | SECONDARY SCHOOL 10th | 2014

- PERCENTAGE: 66.60

SKILLS

• Technical Skill:	Feeder Loss Calculation and Analysis. Electrical Machines (Transformer, Motors, And Generator). Power Electronic (Converters, Inverters, And Drive). Proficiency In MATLAB, AutoCAD Electrical. Testing and Commissioning Equipment, Component Identification Testing, PCB Designing.	Technical Skills: Expert
• Software Tools	MS Excel, MS Word, Canva, MS Power Point, Google Workspace.	Software Tools Skills: Expert
• Communication:	Written And Oral Communication: English, Hindi, Marathi, Urdu.	Language Proficiency: Strong

TRAINING OR WORKSHOP

1. Solar plant installation workshop | survadnya solar Pune | 8 days workshop | Aug 2018
2. Industrial approach in electrical & electronics | electronic study center Nashik | 2 days workshop | Feb 2023
3. Solar pv system design | skillDzire | Dec 2023
4. Ev technology | skillDzire | Dec 2023

INTRNSHIP

IMPELCO ELECTRICAL COMPANY | Intern | 24/01/2024 to 24/05/2024

During my internship at IMPELCO Electric Company, I gained hands-on experience in power distribution systems, substation operations, and LT line feeder maintenance. My key responsibilities included

- 33/11 kV Substation Operations: Familiarized with transformers, circuit breakers, switchgear, and protection systems used in substations. Assisted in monitoring and troubleshooting power distribution networks.
- 440V LT Line Feeder Maintenance: Worked on feeder loss calculation, load balancing, and overhead line to armoured cable conversion to improve efficiency and reduce losses.
- Distribution Transformer (DT) Cleaning & Optimization: Supervised DT cleaning and preventive maintenance, ensuring reduced breakdowns and improved power supply reliability.
- Technical Documentation & Compliance: Prepared technical reports, maintenance logs, and safety compliance checklists for power system operations.
- Feeder Loss Control & Power Optimization: Assisted in analysing technical losses in 11/440V feeders, optimizing voltage regulation and power factor correction to enhance distribution efficiency.

PROJECT AND SEMINAR

HOME AUTOMATION | Micro Project | 2023

Designed A Home Automation System Using ESP8266 To Control Indoor and Outdoor Lights Via the Blynk App. Integrated Relay Modules and Sensor (PIR AND Light Sensor) For Automation Based on Motion and Light Level. Enabled Remote Light Control and Real Time Monitoring Via Wi-Fi.

MODERN SUBSTATION PROTECTION AT MSEDCL | Seminar | JAN 2024

- Over Current Protection
- Earth Fault Protection
- Buchholz Fault Protection

ANTI-SLEEP ALARM ENGINE-LOCK | Micro Project | 2024

Designed and implemented an embedded system using Arduino to prevent accidents caused by driver fatigue. The system utilizes a button/sensor to monitor driver activity, activating a relay (engine lock) after a 3-second press and a buzzer for extended inactivity (6 seconds). It employs non-blocking timing logic for efficient performance, ensuring real-time monitoring and control.

ENHANCING POWER SYSTEM STABILITY USING UNIFIED POWER FLOW CONTROLLER (UPFC) | Major Project | 2024

Simulated The Integration of Unified Power Flow Controller (UPFC) In A Power System to Improve Stability. Focused On Regulating Voltage, Controlling Powe Flow, And Enhancing System Performance During Disturbances Like Fault and Load Variation. Conducted The Simulation MATLAB/Simulink to Analyze the Effective of UPFC In Improving Voltage Regulation and Reducing Line Congestion.

EXTRA CURRICULAR ACTIVITIES

IEDSSA Maharashtra (zonal & inter zonal) | 2019

Actively Participated in IEDSSA Maharashtra And Achieve 1st Position in Wresting 2nd Position in Weight Lifting and Kabaddi.

ESSA Committee Member (Technical Representation).

Worked As a Collage and Department Mentor

Final Year Project Team Leader

INTEREST

Coking: Biryani, Paw bhaji, shirkhurma,

Watching Amazon Prime: Aspirants, Hostel Daze, Laakhon Mein Ek

Reading: Technical subjects, Wings of Fire, Jail Diary of Bhagat Singh