



Mohammad Hamiz Khan

ELECTRICAL & ELECTRONICS
ENGINEERING

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Portfolio https://hamizkhan543.github.io/hamiz_portfolio/

EDUCATION

RVS College of Engineering and Technology(2021-2025)

*BTech in Electrical & Electronic
Engineering*
CGPA: 7/10

KARIM CITY COLLEGE (2019-2021)

Intermediate in Science
PERCENTAGE: 69.4%

Adarsh Bal High School (2019)

Matriculation
PERCENTAGE: 80.0%

ABOUT ME

I am a passionate Electrical and Electronics Engineering student with a strong interest in power systems, renewable energy, and industrial automation. I am seeking opportunities to enhance my skills and contribute to industrial advancements in the field of Electrical & Electronics Engineering.

PROJECTS

IoT for Smart Home

Designed an IoT-based smart home system using Arduino, PIR sensors, and gas sensors to automate appliances, enhance energy efficiency, and improve safety. Features include automated lighting (LDR sensors), motion detection (PIR sensors), gas leakage detection (gas sensor + buzzer), remote control via mobile app, and automatic door control (ultrasonic sensors).

Zeta Converter with MPPT Algorithm for Solar PV

Developed a Zeta converter with MPPT algorithm for solar PV systems using Matlab Simulink. Key features: P&O MPPT algorithm, optimized power output under varying irradiance, lead-acid battery integration, and simulations for constant/variable conditions.

INTERNSHIP

The Tata power company limited jojobera Power Plant

from 18th May-28 June 2024

- Created detailed single-line drawings of the switchyard.
- Conducted an in-depth study of various equipment installed in the switchyard, including transformers, circuit breakers, isolators, and other electrical components.
- Gained hands-on experience in understanding the layout and operation of high-voltage switchyards.
- Collaborated with engineers and technicians to understand maintenance and safety protocols within the plant.
- Performed transformer testing (WTI - Winding Temperature Indicator, OTI - Oil Temperature Indicator).
- Studied various types of circuit breakers and their applications.
- Learned the basics of PLC (Programmable Logic Controllers) and VFD (Variable Frequency Drive) for motor control.



SKILLS

Electrical Circuit Design	<div><div></div></div>
Electrical Machine	<div><div></div></div>
Transformer Testing (WTI, OTI)	<div><div></div></div>
PLC- Beginner	<div><div></div></div>
VFD- Beginner	<div><div></div></div>
MATLAB-Beginner	<div><div></div></div>
MS office-Beginner	<div><div></div></div>

