

Manish Kumar

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EDUCATION

National Institute of technology

Bachelor of Technology in Electrical Engineering

Hamirpur

Dec.2021 – Jun 2025

St Xaviers Residential School

Non medical

Kot, Mandi

March 2020

SKILLS

Languages: MATLAB, Python, C/C++, JavaScript, HTML/CSS

Coursework: Power System, Electrical Machines, Control System

Tools: MATLAB, Git, Github

EXPERIENCE

Internship at Dehar Power house

BBMB Slapper

June 2024 – July 2024

Mandi, HP

- Comprehensive understanding of power generation and transmission systems, including power plant operations.
- Optimized power plant operations and control systems, resulting in increased energy efficiency.
- Gain in depth knowledge of governor and auxiliary transformers.

PROJECTS

Matlab Algorithm for Load flow studies | MATLAB, Power System

Apr – 2024

- Developed a MATLAB code for Load flow studies using Gauss Seidel Method and Newton Raphson Method
- Accurate results for IEEE bus systems 14 correctly

Speed Control of Slip Ring Induction Motor | Electrical Machines

Jul -2023

- Designed setup, implemented resistance values, and analyzed data
- Demonstrated practical knowledge of motor control principles. Utilized hands-on experience with experimental setup and instrumentation
- Demonstrated proficiency in motor speed control by varying rotor resistance to meet operational requirements.

EXTRA CURRICULAR ACTIVITIES

Cricket Team

March 2024 – Present

- As a committed member of the college cricket team, I actively contributed to the team's success by showcasing sportsmanship, teamwork, and dedication both on and off the field.

Discipline Club

March 2024 – Present

- As a dedicated member of the Discipline Club, I actively contributed to the club's mission of promoting discipline, fostering personal growth, and cultivating a positive learning environment within the campus.

ACHIEVEMENTS

- Vice captain of the Cricket team
- Boxing bronze medalist at Regional Games and Sports Meet