



# NAKUL

Bachelor of Technology  
in Electrical Engineering  
Indian Institute Of Technology, Ropar

+91- 9817825464  
2022eeb1192@iitrpr.ac.in  
GitHub | Portfolio  
linkedin.com/in/nakul-750121258/

## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	6.72 (Till 4th Sem)	2022-2026
Senior Secondary	Board of School Education Harayana	10	2021
Secondary	Board of School Education Harayana	9.8	2019

## PROJECTS

- LORA communication shield for mobile phone** 2024  
*Tinkering Lab GE-107* **Github**
  - it involves developing a communication shield that enables Long Range (LoRa) communication capabilities for mobile phones. It extends the communication range of mobile devices using LoRa technology, facilitating long-distance data transmission.
- Span Email Prediction** 2024  
*Self assigned* **Github**
  - Developed a machine learning model to classify emails as spam or non-spam using logistic regression. This project involved extensive data preprocessing, feature selection, model training, and evaluation, culminating in a robust spam detection system.
  - Tools and Technologies Programming Language: Python Libraries: Scikit-learn, Pandas, Numpy, NLTK/Spacy
  - Achievements: Successfully developed a logistic regression model with high accuracy in spam detection.
- Movie Recommendation System** 2024  
*Self Assigned* **Github**
  - Developed a movie recommendation system utilizing collaborative filtering techniques to provide personalized movie suggestions based on user behavior and preferences. This project focused on leveraging user-item interactions to predict movie ratings and enhance recommendation accuracy.
  - Tools and Technologies Programming Language: Python Libraries: Pandas, NumPy, Scikit-learn
  - Achievements: Successfully deployed a machine learning-driven movie recommendation system. Improved user engagement and satisfaction through personalized and accurate movie suggestions.
- Education Bank: Gateway to Educational Empowerment** 2024  
*HS202-Human-Geography-Societal-Needs* **Github**
  - This platform offers access to various free resources, including prominent platforms such as MIT OpenCourseWare and Swayam portal. Additionally, it provides links to AI tools designed to enhance students' learning experience, thereby facilitating their academic endeavors.
  - This website serves as a valuable resource for engineering students by offering comprehensive study notes tailored to their academic needs.

## TECHNICAL SKILLS

- **Programming Languages:** C/C++, Basic Python, Numpy, HTML, undastable CSS
- **Other:** Public Speaking, Communication, leadership, teamwork,

## POSITIONS OF RESPONSIBILITY

- **Leadership Role in PES Outreach Team,** 2024 - 2025
- Session Coordination and Planning, Quality Assurance through Demo Sessions, Motivating and Mentoring Team Members, Promoting Outreach and Impact

## MISCELLANEOUS

- **Member of ATL's MISSION,** ATL's Labs Renovation with partnership of DC( Ms. Preeti Yadav, IAS) of Ropar 2022-2023
- **Volunteer of the month,** Certified as the volunteer of the month, by Pehchaan Ek Safar, IIT Ropar 2023