

# Gunjan Kumar

+91 9106055036    anshuman7520gunjan@gmail.com    linkedin.com/in/gunjan-kumar-478632240  
github.com/gk269rgb-ai

## OBJECTIVE

Aspiring AI/ML Engineer and Research Analyst with strong foundation in Electrical Engineering (Gold Medalist, IITRAM Batch 2025, and hands-on experience in deep learning, signal processing, robotics, and automation. Seeking challenging opportunities to leverage AI to solve real-world problems in power systems, healthcare, and education technology.

## EDUCATION

**B.Tech in Electrical Engineering**, IITRAM, Ahmedabad Dec 2021 – May 2025  
CPI: 8.97 — Gold Medalist

**Class 12**, D.M.P Holy Mission, Rosera 2020  
Percentage: 77.2%

**Class 10**, M.G.S.S, Darbhanga 2018  
Percentage: 88.8%

## SKILLS

<b>Programming</b>	Python, MATLAB, PSpice
<b>Software</b>	AutoCAD, MS Excel, Proteus, Simulink
<b>AI/ML Tools</b>	CNN, LSTM, Vision Transformers, NLP, Transfer Learning
<b>Other</b>	Content Writing, Documentation, GUI Development, Troubleshooting

## EXPERIENCE

**Research Intern – AI/ML, Power System Fault Detection** Jan – May 2025  
IITRAM, Ahmedabad

- Developed deep learning-based real-time fault classification system for 220kV transmission lines using 1D CNN.
- Designed MATLAB/Simulink GUI for monitoring, detection, and localization of faults.
- Preprocessed large-scale simulation data and optimized model performance for real-time deployment.

**AI/ML Project Developer – Educational Content Generation** May – Aug 2025  
IITRAM, Ahmedabad

- Developed NLP-based AI system to generate mathematics and physics content for Grades 9–12.
- Implemented knowledge-based generation and transformer models for problem creation and solutions.
- Automated content delivery pipeline for improved efficiency and quality.

## PROJECTS

**Insomnia Detection from ECG using Deep Learning** Jan – May 2024  
Guide: Dr. Manish Sharma

- Processed ECG signals into scalograms using Continuous Wavelet Transform.
- Trained Vision Transformer model for insomnia detection.

**Home Automation Using Arduino and Bluetooth** Aug – Dec 2023

- Designed wireless appliance control system via Bluetooth-enabled mobile app.

**Human Following Robot** Jul – Dec 2024

- Developed robot using computer vision and Lidar to autonomously follow human movement in dynamic environments.

## ACHIEVEMENTS

- Gold Medalist in Electrical Engineering, IITRAM Batch 2025.
- Dean's Certificate for Academic Excellence.

## EXTRA-CURRICULAR

- Technical blogging and writing educational content.
- Active in collaborative learning and community tech initiatives.