Raza Shaud

ML Engineer | Electrical Engineering | Kolkata, West Bengal, India

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OBJECTIVE

Engineer with hands-on experience in computer vision, deep learning, and intelligent system design, seeking opportunities in AI-driven automation and model deployment.

EDUCATION

Ghani Khan Choudhury Institute of Engineering and Technology Oct 2022 – June 2026
B.Tech in Electrical Engineering - CGPA – 7.6 *Malda, India*

Arya Parishad Vidyalaya (H.S) May 2020 – March 2022
Higher Secondary - Percentage - 72% *Kolkata, India*

PROJECTS

Solar-Powered Robotic Cable Monitoring System | Arduino, Solar PV, CNN, OpenCV
- *Developed a solar-powered mobile robot for cable insulation monitoring using camera sensors and a CNN model achieving 96.5% fault detection accuracy.*

Human vs AI Voice Classification System | Python, ML, RF Model Arduino, GSM, Sensors
- *Built a classifier to distinguish human vs AI-generated voice using MFCC features; achieved 89% accuracy.*

Face Recognition Attendance System | Python, OpenCV, Pandas
- Developed real-time facial recognition system that automated attendance logging and reduced manual work by 99%

Saline Monitoring and Alert System | Arduino, GSM, Sensors
- Built a real-time saline level monitoring system with buzzer alerts and automatic SMS notifications to medical staff.

INTERNSHIP

Tech Solutions Inc. May 2025 – July 2025
Machine Learning Intern *Kolkata, India*
- Assisted in ML model testing, data preprocessing, and pipeline debugging for automation tasks.

Steel Authority of India Limited (SAIL) Nov 2024 – Dec 2024
Internship Trainee *Bokaro, India*
- Worked on motors, and control panels, gaining hands-on experience in industrial electrical maintenance.

Damodar Valley Corporation (DVC) June 2024 – July 2024
Internship Trainee - Power Plant Operations *Mejia, India*
- Learned substation operation, protection systems, and industrial automation workflows.

TECHNICAL SKILLS

Programming: Python, C, C++, SQL
ML: NumPy, Pandas, Scikit-learn, OpenCV, TensorFlow, Data Preprocessing, Power BI, Deep Learning, CNNs, Model Training, Model Evaluation, Feature Engineering, Image Classification, Data Cleaning, Neural Networks
Software & Tools: Git, GitHub, VS Code, Jupyter Notebook, Arduino, MATLAB, ETAP, ANSYS
Other: Problem-Solving, Debugging, DSA, OOP

PUBLICATIONS

IEEE GIEST 2024 — Author: https://ieeexplore.ieee.org/document/10960113

Noise Filtration and Voice Discrimination: Case Studies, Results, and Discussions

CERTIFICATIONS

100 Days of Code: The Complete Python Pro Bootcamp — Udemy

Best Paper Award – GIEST 2024 (IEEE Conference)