RITRIO MUKHERJEE

CAREER OBJECTIVE

Dedicated and detail-oriented electrical engineering student with hands-on experience in various subjects . Eager to leverage strong analytical and problem-solving skills, contribute to team success, and grow professionally in a dynamic work environment.

📍 Kolkata, West Bengal 📞 9432317058 ✉ ritriom@gmail.com 📅 07.12.2002

ACADEMIC QUALIFICATIONS

B. Tech. – Electrical Engineering
Techno International New Town
Year of Passing - 2025 ‖ CGPA - 8.11 (Till 7th Semester)

12th –Science
Mahesh Sri Ramkrishna Ashram Vidyalaya ,
West Bengal Board of Higher Secondary Education
Year of Passing - 2021 ‖ Percentage - 87

10th – General
Mahesh Sri Ramkrishna Ashram High School ,
West Bengal Board of Secondary Education
Year of Passing – 2019 ‖ Percentage- 87.13

Diploma in Foreign Language — German
Rabindra Bharati University , Year of Passing - 2025

SKILLS

- C Prog. Language
- Python Prog. Language
- Circuit Design
- Languages- Bengali, English , Hindi , German
- Problem Solving
- Time Management
- Leadership

INTERESTS

- Drawing
- Reading
- Football
- Community Involvement
- Traveling

WORK EXPERIENCE / INTERNSHIP

CARRIAGE & WAGON WORKSHOP EASTERN RAILWAY , LILUAH

Industrial Training ‖ Liluah, Howrah ‖ 11.07.2024 – 24.07.2024 ‖ Multi-Disciplinary Workshop

PUBLICATIONS

"Artificial Neural Network based Short-Term Residential Load Forecasting" Syamasree Biswas Raha , Sambhabi Das , Prerona Pattrea, Soma Das , Ritrio Mukherjee.
2024 IEEE International Conference for Women in Innovation,Technology&Entrepreneurship(ICWIT)
Year of Pub-2024.
DOI – 10.1109/ICWITE59797.2024. 0503078

"Automatic Vehicle Speed Limit Control for Accident Avoidance and Close Monitoring of it's Health." Dipanwita Ganguly , Sambhabi Das , Prerona Pattrea, Soma Das , Ritrio Mukherjee.
Jadavpur University , Indian Society of Lighting Engineers(IESE) . Year- 2023 .

PROJECTS

SHORT TERM LOAD FORECASTING USING ANN (JAN 2023 – PRESENT)

- STLF provides the key information for making decisions in residential demand response to enhance their profits as well as to reduce the risk of outages.
- Python , Machine Learning with ANN , MATLAB-2015a.

DEVELOPING AN AI-POWERED ENERGY MANAGEMENT SYSTEM FOR COMMERCIAL FACILITIES TO OPTIMIZE ENERGY CONSUMPTION. (OCT 2023 – PRESENT)

- Developing real time system to accumulate electrical parameters and then calculation of energy , creating of the load curve and generating of auto regression AI agent for energy optimization .
- Python , CSS , HTML , JAVASCRIPT , SARIMAX machine learning model .

ACHIEVEMENT

Academic

- **Finalist in Smart India Hackathon, 2023**
- 3rd in Innovation , Design and Entrepreneurship Bootcamp .
- All India Eminent Faculty Council of Engineering, management & Technology, IoT withs it's application.
- Completion of the course on Remote sensing and Digital Image Analysis , **IIRS,ISRO** .

Extra-curricular

- Participation in debate competition ,Power Grid Corporation of INDIA LTD. Kolkata.
- Organizing Blood donation camp ,State Blood Transfusion Council , West Bengal.
- Complete five years in Drawing .

Place: Kolkata   Date: 30.07.2024

Ritrio Mukherjee.