



SARVODAY KUMAR

Electrical Engineer

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TOOLS & LANGUAGES

1: PLEXOS

2: CSharp

3: Python

4: R

5: MS Excel

6: GAMS

7: AWS Cloud

8: STATA

PUBLICATIONS

IEEE- ICONAT | Re-
port

OTHERS

GATE

Electrical Engg

JEE-MAINS

JEE

NDA-SSB

UPSC

CLASS X (CISCE)

(81.0)

CLASS XII (CBSE)

(88.8)

EXPERIENCE

Energy Market Analyst- Energy Exemplar (PLEXOS || PLEXOS CLOUD)

02-2024 - Cont.

PUNE, India

- Partnered with North American project developers and transmission utilities to model electricity markets, conduct power system analysis, and support transmission planning and capacity expansion initiatives.
- Addressed client challenges by developing and demonstrating optimization-driven technical and modeling solutions, with recommendations focused on efficient economic dispatch.
- Utilized strong proficiency in CSharp to debug, enhance, and optimize scripts for the PLEXOS Engine, resolving complex issues related to specific modeling use cases.
- Collaborated with cross-functional teams to implement CSharp script fixes, ensuring reliability, maintainability, and high performance in production environments.

Research Analyst- CSEP Brookings INDIA (ANALYTICA || AWS)

01-2023 - 02-2024

NEW DELHI, India

- Electric Vehicles and Distributed Energy Resources | Power Demand - Supply Analysis | Power Sector Reforms | Policy & Regulations | Renewable Energy and Energy Efficiency Investments | Energy Market Assessment and Pricing | Techno-Economic Evaluation | Financial Analysis
- Implication of EVs on exchequer and DISCOM health, Demand Estimation for different EV form factors

EDUCATION

M.Tech (Renewable Enegy) | MNIT JAIPUR (RAJ.)

09-2021 - 07-2023

JAIPUR, India

- CGPA: 8.05

B.Tech (Electrical Engg.) | NIT SRINAGAR (JK)

08-2014 - 08-2018

SRINAGAR (JK), India

- CGPA: 6.995

GRADUATE RESEARCH EXPERIENCE

PLEXOS | PYTHON | (ANALYTICA- LUMINA SYSTEM) | Forecasting | Policy & Regulations | Renewable Energy and Energy Efficiency Investments

- Long-term planning concerning the increased penetration of electric vehicles (EVs) and its impacts on the existing power system.
- Open Access Implementation for MNIT Jaipur (April 2022 - December 2022).
- Net-Zero Academic Campuses: International Perspective and Case Study for MNIT Jaipur (April 2022 - December 2022).