

Meghadeep Roy Chowdhury

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PROFESSIONAL SUMMARY

Experienced market analyst and consultant with a demonstrated history of working in the energy industry. Skilled in Python, PL/SQL, Excel, Linux, Dash, and Espressif boards. Strong business development professional with a bachelor's degree in Mechanical Engineering from Drexel University, and a few graduate level courses in Power Systems and Control Systems.

WORK EXPERIENCE

Independent Consultant 10/2023 – Present

- Provide market expertise and insights to new market entrants, helping them direct their investments with actionable intelligence about the US energy markets

Market Analyst II | Yes Energy, Boulder, CO, USA 04/2021 – 08/2023

- Researched market and policy changes to find out their effects on Yes Energy's SaaS products
- Actively took part in the development process by directing the developers to customers' needs and market changes
- Led the research on a major industry change (PJM's peak-type change) that needed co-ordination with all the internal departments for a smooth transition from the legacy system
- Presented market changes internally to Yes Energy on a monthly basis, and demonstrated product workflows and effects of market policy changes to the customers during company Summits
- Started and maintained a company-wide bi-weekly newsletter with past event analysis, and details of upcoming major events and market changes for internal education
- Trained new hires and interns on the functions of the energy market, the engineering process behind it, and how Yes Energy provided value to the customers
- Tier 1 & 2 customer support duties to support customers with Yes' SaaS products, or the workings of the energy market
- Automated a slew of internal tools used by the Market Monitoring team to enhance productivity
- Worked with potential customers to find Yes Energy's SaaS products that would suit their needs during the acquisition process at networking events
- Maintained relationships with ISOs/RTOs to remain abreast of upcoming market changes

Electricity Strategist (co-op) | Susquehanna International Group, Bala Cynwyd, PA, USA 03/2019 – 09/2019

- Developed Excel visualizations for historical outage data with Pandas, NumPy, sklearn and SQL to improve analysis
- Decoded NYISO's anonymous bid data to improve simulation accuracy by drawing insights from multiple datasets
- Parsed FTR auction data to update in-house calendar providing a single place for traders to track future auctions
- Mapped power flow data across different platforms providing uniformity within various in-house tools

OAT and TSE (co-ops) | PJM Interconnection, Audubon, PA, USA 09/2016 – 03/2017 & 09/2017 – 03/2018

- Acted as the first point of contact for member companies to supervise their user accounts
- Performed sensitivity studies for 2019 Simultaneous Import Limit Study to analyze resiliency of the market
- Performed test executions with the development teams during in-house tool developments and deployments
- Took part in stakeholder engagement meetings to coordinate member expectations with the internal teams

EDUCATION

Bachelor of Science in Mechanical Engineering, Drexel University, Philadelphia, PA, USA 09/2015 – 06/2020

- CGPA: 3.66/4
- Relevant Electrical Engineering graduate level courses: Control System, Power Systems

CORE PROFICIENCIES

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|-----------------------|-------------------------|---------------------------|
| - Computer languages: | - Microsoft Excel | - InfluxData (TICK stack) |
| ◇ Python | - Visualization suites: | - Prometheus |
| ◇ PL/SQL | ◇ Dash, Plotly | - Snowflake DB |
| ◇ HTML/PyScript | ◇ Grafana, Tableau | - Jira |