Prabhat RANJAN

+358 41 570 3354
mailprabhatr@gmail.com
users.aalto.fi/ranjanp1/
www.linkedin.com/in/prabhat-r/
Matinraitti 5 D48 - 02230, Espoo

Highly motivated and *Goal-oriented* Energy Market Analyst with double *Master's degrees* in Energy Systems and a professional experience in the ***energy market***, ***power system modelling*** and ***techno-economic analysis***.

EDUCATION

Master's in Energy Systems and Markets
Master's Thesis: *Techno-economic model for evaluating the economic feasibility of green hydrogen production with grid and storage*
Minor: *Analytics and Data Science*
Aalto University, Finland 📍
2022 – 2025 📅

B.Tech & M.Tech in Energy Sc. & Engineering
Master's Thesis: *Development of Solar Drying Technologies for Agricultural Produce*
Exchange Studies: **Aalto University, Spring 2020**
Advanced Energy Solutions, GPA: **4.14 out of 5**
Indian Institute of Technology Bombay, India 📍
2016 – 2021 📅

KEY COURSES

- Energy Systems Modelling
- Energy Policy
- Power System Planning
- Energy Markets
- Energy Management
- Linear Optimization
- Numerical Analysis
- Statistical Inference
- Data Structures and Algorithms

SKILLS & TOOLS

Python ●●●   Excel ●●●
R ●●○   Matlab ●●○
PROMOD (ABB) ●●○   SQL ●●○

English ●●●   Hindi ●●●
Finnish ●○○   French ●○○

WORK EXPERIENCE

Senior Energy Market Analyst, VaasaETT
Role: Responsible for supporting clients on *modelling tasks*, *policy and market research*.

Leading the modelling and R&D team at the company, developing and improving in-house modelling tools – long-term price forecasting model, ancillary market revenue model, and investment model for hydrogen.

Supporting ad-hoc consultancy requirements and contributing towards thought leadership for the company.
📍 Helsinki, Finland
📅 December 2022 – Present

US Power Market Analyst, ICF
Role: Responsible for supporting clients on *asset transactions*, *regulatory and legislative reforms*. Performed *market forecasting*, *power market modelling* and *market trend Analysis*. Supported consultants with technical analysis and reporting.

Led multiple projects in **MISO** Market. Delivered **7+** projects generating revenue in excess of **0.30 million USD** within 6 months. Responsible for delivering Base-case projections with sensitivities.
📍 New Delhi, India
📅 March 2022 – September 2022

SCHOLARSHIPS & AWARDS

2022 Finland Scholarship, Aalto University
2020 Erasmus Global Mobility Scholarship
2019 Charpak Lab Scholarship, French Embassy
2018 Best Participating Team, Team Shunya, SDC 2018

References are available on request