

EDUCATION

Master of Business Law (M.B.L.), European & International Energy Law

2023 - 2026

Technische Universität Berlin | Berlin, Germany

- Focus on EU energy-market design, EU ETS and emissions trading, REMIT/MiFID II, market coupling, energy contracts and regulatory frameworks linking traded products, compliance and commercial decision-making.

M.Sc. Petroleum Engineering

2012 - 2014

University of Tehran | Tehran, Iran

Reservoir simulation, uncertainty modelling, CO₂ storage and enhanced oil recovery; industry-linked research with NIOC.

B.Sc. Petroleum Engineering

2007 - 2011

Petroleum University of Technology | Abadan, Iran

SELECTED GERMAN POWER-MARKET PROJECT

Independent Energy-Market Analytics - DE-LU Power Risk Intelligence

2022 - Present

Current flagship project: public-data day-ahead and intraday power-market analytics | Berlin, Germany

Python | Pandas | NumPy | SQL | Git | Power BI-ready exports | Model governance

- Built a multi-year German/Luxembourg market-assessment platform using public market data, connecting prices, load, renewable output, residual load and market stress to transparent exposure analysis.
- Developed transparent risk-regime scoring and scenario diagnostics to evaluate volatility exposure, procurement sensitivity and hedging implications, with EU carbon-market context incorporated in market interpretation.
- Engineered reproducible Python/SQL pipelines with reconciliation rules, release gates and audit-ready quality controls; produced dashboard- and SQL-ready decision outputs.

GitHub: github.com/mr-okhovat/de-lu-power-risk-intelligence

PROFESSIONAL EXPERIENCE

Founder, Managing Director & Portfolio Investment Lead

2019 - 2022

Parsian Khavarmiyaneh | Iran

- Managed diversified client portfolios in the multi-million-euro equivalent range, including a mandate above EUR 5 million equivalent at the time; tailored allocations to risk appetite, liquidity needs and market conditions.
- Built and reviewed DCF, cash-flow, asset and earnings valuation, sensitivity, scenario, volatility, correlation, entry/exit and portfolio-allocation models using Excel, Python and quantitative risk methods.
- Led fundamental, commercial and on-site due diligence on an undervalued industrial company and coordinated an approximately 23% aggregate equity position across managed portfolios, based on under-recognised land, machinery and asset value.
- Analysed oil, gas and petrochemical exchange exposures; managed policy, FX and liquidity risk; supervised two analysts and quality-checked models, assumptions, risk reports and client recommendations.

International Business & Compliance Coordinator / Commercial Projects Lead

2015 - 2018

Pegah Jahan Nama | Iran

- Opened international sales and procurement markets; led product valuation, pricing, supplier/customer negotiations and cross-border contract execution for an industrial food manufacturer.
- Led end-to-end delivery of a 4.3 kW behind-the-meter wind pilot at the Aq Qala industrial site: feasibility, team mobilisation, equipment and services procurement, installation supervision, electrical interconnection and commissioning.
- Developed the operating and scale-up concept using adjacent land and potential industrial-park offtake; assessed economics against policy incentives, equipment constraints and subsidised grid tariffs, with expansion held after the business case weakened.
- Built trade-corridor and pricing models linking commodity prices, FX, logistics, contract terms and margins; coordinated multiple counterparties, authorities and compliance workstreams.

Researcher - CO₂ Storage & Enhanced Oil Recovery

2013 - 2014

University of Tehran / National Iranian Oil Company | Iran

- Performed reservoir simulation and uncertainty analysis for CO₂ storage capacity, leakage risk and system behaviour in an academic-industry CCUS programme.

CORE EXPERTISE

Power & Renewables: DE/EU power markets, EPEX DA/ID, EEX/EUA, residual load, flexibility, PPA and route-to-market concepts, capture-price and renewable feasibility.

Data & Tools: Excel, Python, Pandas, NumPy, SQL, Power BI, Git, SAP MM/SD; time-series, VaR, Monte Carlo, dashboards and analytical QA.

Languages: Persian (native), English (C2), German (B2).

Finance & Consulting: Financial modelling, valuation, commercial due diligence, portfolio strategy, hedging, asset economics, scenario/sensitivity analysis and client delivery.

Regulation: REMIT, MiFID II, EU ETS, EEG, market coupling, EU energy law, contract/compliance analysis, data lineage and audit readiness.

Certificate: Nord Pool - Day-Ahead and Intraday Power Markets.