

Curriculum Vitae (C.V.)

Marjan Pourebrahim

Personal Information

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Activities and Work Experiences

❖ ***Ministry of Energy, Renewable Energy and Energy Efficiency Organization (SATBA)***

Energy & Financial resource specialist, Mar 2023 – Mar 2025

Regulatory Affairs Specialist, Mar 2025 – Present

Member of the technical and economic feasibility study committee for renewable projects

Member of the group of providing financial resources and granting facilities

Member of the energy and environment optimization market working group

Member of the working group to facilitate renewable energy investment

Member of the working group for compiling the national hydrogen document

Member of the AI working Group on Renewable Energy and Electricity Energy Efficiency

Developing regulations and policies in the field of renewable energy and electricity energy efficiency

❖ ***Moshanir Power Engineering Consultants***

Energy Engineer, Dec 2022 - Feb 2023

Project Title: Industry and building energy audit.

❖ ***Vice President for Science and Technology and Knowledge-Based Economy***

(Water and Energy Technologies Development Headquarters)

Energy Engineer, Oct 2022 – Feb 2023

Member of the Water and Energy Committee

❖ ***Science & Energy Technology - Tarasht Company (SET).***

(In Cooperation with the German company Fichtner)

Energy Engineer, Feb 2020 – Oct 2022

*Project Title: **Technical and economic feasibility** of greenhouse construction with **CAMFAR & MATLAB** software*

Project Title: Analysis of the useful energy demand of the household sector.

*Project Title: Preparation of comprehensive Excel calculation of **cooling and heating load** and technical and economic evaluation of various **cooling and heating technologies**, according to the types of **building** uses (residential, office, industrial, commercial, hospital, etc.) in different climates.*

*Project Title: Investigating the potential of regional **renewable energy** and the use of these technologies in **buildings**.*

*Project Title: Development of the potentials of the **building** sector according to the types of uses in the **energy and environmental optimization market**.*

*Project Title: Development of the potentials of the **building** sector according to the types of uses in the **energy and environmental optimization market**.*

*Project Title: **CHP** potential assessment on residential and hospital buildings.*

❖ **Asiawatt Company.**

Energy Engineer, Sep 2020 – Oct 2021

*Project Title: Review of the **greenhouse** standard and **Energy audit** of 21 greenhouses*

❖ **Boroujerd Textile Factory.**

Mechanical Engineer, June 2017 – Sep 2017

*Project Title: Investigation of **air conditioning system** and **temperature and humidity control** according to the comfort conditions required in different parts of Boroujerd textile factory*

*Project Title: Calculation of **energy losses** in the **power plant** sector in Boroujerd textile factory and providing solutions to reduce energy losses.*

Education

❖ **Sharif University of Technology, Tehran, Iran**

*MSc in Energy Engineering (Energy technology), **GPA: 4/4***

Thesis: “Heat and Cooling Load Management through Minimizing the Heat Transfer and utilizing the Storage Potential of Materials and Equipment Inside a Building.” 2017 _ 2020

Supervisor: Dr. Yadollah Saboohi

❖ **Bu-Ali Sina University, Hamedan, Iran**

*BSc in Mechanical Engineering, **GPA: 3.2/4**.*

Thesis: "Numerical analysis and simulation of fatigue crack growth in Abaqus software" 2012 _ 2016

Supervisor: Dr Amir Hossein Mahmoudi

❖ **Farzanegan High School** (NODET: National Organization for Development of Exceptional Talents), Broujerd, Lorestan, Iran

High School Diploma in Mathematics and Physics, **GPA: 4/4.**

2007 _ 2011

❖ Expert in:

- Preparation and evaluation of **financial and economic model of renewable projects**
- **Building modeling and simulation.**
- **Modeling of Thermodynamic Cycles.**
- Research in various fields of energy consumption and documentation.
- **Economic analysis of energy project**
- **Energy audit**

❖ Proficiency in:

- Energy analysis and analysis of economic exergy and exergy **desalination.**

❖ Familiar with:

- **Energy balance and energy reference chart.**
- **Solar Energy Systems.**
- **Water-Energy Nexus in the power plant & Greenhouse.**

❖ A member of the Editorial Board, Exergy magazine of Sharif University of Technology, (2018 _ 2019)

❖ A member of the Editorial Board, Entrepreneurship Center magazine of Sharif University of Technology, (2018 _ 2019).

❖ Activity in the Entrepreneurship Center of Sharif University of Technology. (2018 _ 2019)

❖ Member of Scientific Association, Department of Energy Engineering, Sharif University of Technology. (2018 _ 2019)

❖ Member of Scientific Association, Department of Mechanical Engineering, Bu Ali Sina University. (2015-2016)

Computer and Programming Skills

❖ Expert in:

- **Camfar**
- **Design Builder**
- **MATLAB** (Highly Skilled in Coding)
- **EES** (Engineering Equation Solver)
- **Microsoft Office** (Word /**Excel** / PowerPoint / Outlook/Visio)
- **Microsoft Project (MSP)**
- **E.sanke**

❖ Proficiency in:

- **Python**
- **Transys**
- **Pvsyst**
- **Energy Plus**
- **CATIA**
- **AutoCAD**
- **SOLIDWORKS**