

School of Mechanical Engineering,
Iran University of Science and Technology (Elm-o-Sanat),
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### **Research Interests**

- Renewable Energies
- Energy Economics
- Smart Energy Management
- Blockchain Based Energy Networks Energy Systems Optimization

#### **Education**

**Diploma in Mathematics and Physics Discipline**, Prof. Reza Highschool, Rasht, Iran, GPA - 19.18/20.

**B.Sc., Mechanical Engineering,** University of Guilan, Rasht, Iran, GPA - 15.19/20.

M.Sc., Mechanical Engineering, Energy Conversion, Energy Systems, Iran University of Science and Technology, Tehran, Iran. GPA - 16.49/20

Selected Courses: Fuel and Combustion (19.5/20), Energy Systems (19.25/20), Seminar (19.75/20)

### **Publications**

In Press

In Press

 N. Bahrami and S. Ghandehariun, Using Machine Learning Algorithms to Predict Water Evaporation of Ponds

In Press

N. Bahrami and S. Ghandehariun, Designing a Multi-Generation Hybrid Power Station for An Ecotourism Residence,

 N. Bahrami and S. Ghandehariun, Waste-Energy Management and Optimization of A Hybrid Power Station Using PCM

# **Volunteering Activities**

• Member of Imam Ali Popular Student Relief Society (IAPSRS)

# **Teaching Experiences**

Jul 2015 Physics, Teacher, Ghalamchi Institution, Rasht, Iran.

# **Working Experiences**

[Internship]

Radiator Casting and Assembly Section, Iran Radiator Compony, Rasht, Iran

[Internship]

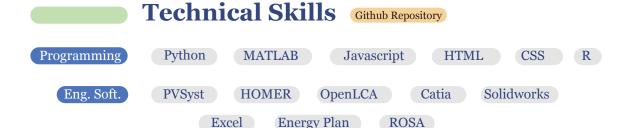
• Guilan NGCC Power Plant, Rasht, Iran

Internship

• Hamedan Solar Farm, Hamedan, Iran

# **Notable Projects**

- Designing a Hybrid FPV-Wind-Hydro Power Station, Master's degree thesis,
   Sep. 2019 Present
- Designing a Floating Mechanism for Photovoltaic Panels to Increase Thermal Efficiency, Apr. 2019 - June 2019
- Thermal Design and Analysis of Smart Camera Casing, Padideh Merila Knowledge enterprise, Jan. 2019 - Feb. 2019
- Design and Manufacturing 3-DOM Camera Slider for shooting Time- lapse Videography with the ability to focus on an object. Bachelor's degree thesis, Supervisor: Dr. Reza Jamilnia, Feb. 2017 - Aug. 2017
- Designing A New Strategy for Implementing Blockchain Technology In Energy Sector In Order to Reduce Household Power Consumptions by Monetary Incentives, Mapna Industrial Group, Jul. 2020



# Languages

Persian: nativeEnglish: Fluent

### **Hobbies**

Sports: Soccer, Squash (Pro), Volleyball, Skate (Pro & Gold Medal) Others: Movies, Music, Web Design, Podcasting, Collage Art