



# Alireza SheikhSarraf

## Architect-Researcher

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### Software Skills

- AutoCAD – Expert - 90%
- Revit Architecture – Advanced - 80%
- Rhinoceros -Advanced - 80%
- Grasshopper – Intermediate - 60%
- Lumion- Advanced - 70%
- Enscape – Advanced - 70%
- Indesign – Intermediate - 60%
- Photoshop -Intermediate- 60%

### Generative Ai & Design

- **Stable Diffusion**
- **AI-Assisted Visualization**
- **Prompt Engineering**

### About Me

My interest in architecture is rooted in the growing up of living in a century-old historic house in Isfahan-one of the historical cities of Iran that contains the second largest square in the world- Naghshe Jahan Square This experience led to my deep understanding of historic fabrics, but confronting the functional challenges of these buildings focused my attention on the critical issue of Energy. I believe the responsibility of today's architect is not merely aesthetics, but efficient Resource Management. Consequently, I have focused my professional and research path on the integration of Cultural Heritage and Sustainable Architecture. My goal is to develop strategies for energy storage and preventing Energy Waste in design, thereby aligning historical identity with modern Green Architecture standards.

### EDUCATION

- **Master of Science in Architecture (M.Sc.) | 2017 – 2022**
  - *Payam Noor University (PNU) of Hormozgan*
  - Thesis Subject: Performing Arts Center focusing on Sustainable Architecture with utilizing renewable energy through the Photovoltaic system.
  - GPA: 15.85/20 | Thesis Mark: 18/20
- **Bachelor of Science in Architecture (B.Sc.) | 2011 – 2017**
  - *Azad University (IAU), Iran*
  - Thesis Subject: Institute for Art and Architecture with a New Building Technical Approach.
  - GPA: 13.54/20 | Thesis Mark: 16/20

### CERTIFICATES

- 1- Green Buildings and Preparation for LEED Examination
- 2- (EDU DEP) Center for Architectural Restoration and Urban in Iran.  
([Certificate](#))
- 3- Certificate of attendance for the course (AutoCAD) at MEHREGAN institute.
- 4- Certificate of attendance for the course (Revit/ Enscape / Lumion/ Photoshop) at MAAN institute.
- 5- European Computer Driving License (ICDL)

<b>Languages</b>	<b>PUBLICATIONS &amp; INTERNATIONAL PRESENTATIONS</b>
<ul style="list-style-type: none"> <li>○ Persian (<b>Farsi</b>): Native</li> <li>○ English: Advanced -Independent User (Preparing for IELTS Academic - Expected C1 Level)</li> <li>○ German: Intermediate (ÖSD/Goethe B1 Certificate)</li> </ul>	<ul style="list-style-type: none"> <li>● Journal Article: Sheikh Sarraf, Alireza, &amp; Others. (2019). Architectural Engineering and Sustainable Development. <i>Environment and Ecology</i>, 37(1). Retrieved from [<a href="#">Link</a>].</li> <li>● Conference Paper: Sheikh Sarraf, A. (2019, August 1–2). Sustainability in Architecture and Explaining the Principle of Sustainable Architecture. International Congress on Engineering, Technology &amp; Innovation, Darmstadt University, Germany. (<a href="#">Certificate</a>)</li> <li>● Conference Paper: Sheikh Sarraf, A. (2018, August 20). Review the Status of Transportation in Economic Development. International Congress on Science and Knowledge, Sydney, Australia. (<a href="#">Certificate</a>)</li> <li>● Conference Paper: Sheikh Sarraf, A. (2018, September 14). The Role of Transport in Economic Development in Direction of Sustainable Development. International Conference on Modern Research in Science, Engineering, and Technology, Stockholm, Sweden. (<a href="#">Certificate</a>)</li> <li>● Conference Paper: Sheikh Sarraf, A. (2018, June 21). Architectural and Sustainable Development Technology. 4th International Conference on Civil Engineering, Architecture &amp; Urban Planning with Sustainable Development Approach, Shiraz, Iran. (<a href="#">Certificate</a>)</li> </ul>
<b>Research Interests</b>	<b>RESEARCH &amp; ACADEMIC EXPERIENCE</b>
<ul style="list-style-type: none"> <li>○ Sustainable Design &amp; Green Architecture</li> <li>○ Architectural Heritage Conservation &amp; Adaptive Reuse</li> <li>○ AI-Assisted Design &amp; Digital Heritage</li> <li>○ Energy Efficiency in Historic Buildings</li> <li>○ Regenerative Architecture</li> </ul>	<ul style="list-style-type: none"> <li>● Field Research &amp; Heritage Management (Mandatory Service)   05/2022 – 02/2024 General Department of Cultural Heritage, Tourism and Handicrafts of Esfahan. Gained practical experience in site management and application of heritage conservation principles.</li> <li>● Sustainable Design Researcher (Master's Project) Focused on blending creativity with sustainability using Photovoltaic (PV) systems for energy self-sufficiency.</li> <li>● Teaching Assistant (T.A.)   Spring &amp; Winter semester 2018/2019 Payame Noor University (PNU). Instructed specialized courses such as Architecture Design Studio 2 &amp; 3.</li> </ul>
<b>REFERENCES</b>	<b>PROFESSIONAL EXPERIENCE</b>
<ul style="list-style-type: none"> <li>○ Prof. Mehdi Mahmoodi (Master's Supervisor) <a href="#">E-MAIL</a></li> <li>○ Prof. Hamidreza Amery (Assistant Professor) <a href="#">E-MAIL</a></li> <li>○ Prof. Ramin Soltani (Architect and Urban Planner) <a href="#">E-MAIL</a></li> </ul>	<ul style="list-style-type: none"> <li>● Founder &amp; Lead Consultant   Signature Brand   2020 – Present.</li> <li>● Designer &amp; Social Media Manager   AzarSepehr Novin Pasargad   05/2018 – 10/2021.</li> <li>● Intern Researcher &amp; Librarian   Polsheer Office   07/2017 – 04/2018.</li> <li>● Interior Designer &amp; Design Consultant   Alma Decor Office   07/2014 – 10/2016.</li> </ul>