



Mohammad  
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## BUILDING ENGINEER

### IT Skills

#### BIM -3D Modelling

Rhinoceros | Grasshopper | Revit |

SketchUp | AutoCAD

#### Building Energy Modelling & LCA

OneClickLCA | IESVE | THERM +

WINDOW softwares

#### Structural Modelling and Analysis

SAP2000 | Etabs | Ansys | FEM Mepla |

Midas

#### Programming and Scripting

##### Languages

FORTRAN | C++

#### Graphics and Design Software

Adobe Photoshop | Illustrator | Indesign |

Lightroom | premiere pro | Lumion

#### Office Productivity Tools

Microsoft Office package: Microsoft

Word, Excel, PowerPoint, Access | Google

Workspace (Docs, Sheets, Slides)

### Language Skills

English Fluent | C1

French Conversational | B1

Italian Basic | A2

Persian Native

### Soft Skills

- Strong Team Collaboration
- proficient in innovative
- problem solving
- Effective Communication
- and Networking
- Adaptability and Flexibility

### Interests

- Digital design and creative media
- Drawing and Painting
- Hiking, Air Pistol Shooting

### PROFILE

A Building and BIM Engineer with a strong background in structural design, BIM modeling, and sustainability. Proficient in Revit, Rhinoceros, and Photoshop, with hands-on experience in technical drawing, model creation, and structural analysis. Skilled in integrating digital tools with construction workflows to enhance design precision and project efficiency. Detail-oriented, adaptable, and committed to delivering high-quality engineering solutions

### EDUCATION

#### Master of science in Building & Architectural Engineering

Politecnico di Milano | Milan, Italy

2022 – Present

- Design of structures
- Building services and building energy modeling
- Building Process and Information Management

#### Erasmus in Masters of Engineering,

École Centrale de Nantes | Nantes, France

2023 - 2024

- Continuum mechanics, Thermodynamics
- Product Design and Development
- Energy, Environment and Climate Challenges

#### Bachelor of science in Civil Engineering

Semnan University | Semnan, Iran

2016 - 2021

- Structural Analysis, Modelling of structures
- Project Evaluation and Cost Estimation
- Construction equipments

### WORK EXPERIENCES

#### 1 P2E Business student project, Saint-Gobain | 2023 - 2024

Saint-Gobain | Nantes, France

- Conducted a technical and financial evaluation of replacing IE1/IE2 motors with next-generation IE3/

IE4 motors to improve energy efficiency in Eurocoustic's production process.

- Performed risk analysis, cost-benefit assessments, and researched energy savings

#### 2 Structural and Geotechnical Testing | 2020 - 2021

Asa Tekin Arvin Toos Company | Mashhad, Iran

- Perform welding and concrete strength tests to verify structural integrity.
- Analyze soil samples and assess foundation suitability for construction.

#### 3 Constructural Engineer Intern | 2019 - 2019

Kohan Boom Pars Company | Mashhad, Iran

- Visit sites, inspect structures, and verify compliance with regulations and standards.
- Prepare plans and documentation to support inspections and regulatory compliance

#### 4 Construction Engineering Intern | 2017 - 2019

Private Construction Project | Mashhad, Iran

- Assisted in design and construction phases, collaborating with architects and engineers
- to gain practical experience in civil engineering projects.

#### 5 Graphic and Character Designer | 2018 - 2019

CartoonNegar, Freelance | Mashhad, Iran