Fatemeh Emamdadi Taromi

Mechanical engineer | Building services and gas systems designer

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PROFILE

Mechanical engineering graduate (BSc 2025, GPA 16.91/20) with two years of hands-on experience in a building engineering design office: gas piping systems for residential and commercial buildings, AutoCAD drawings and calculation reports for building-authority review. Holds a 390-hour gas pipe fitting certificate (84/100) and a trade licence for gas installation. Seeking a junior design-engineer role abroad with employer visa support; open to online interviews and relocation.

EXPERIENCE

Building Services Designer (Gas Systems) Jul 2023 - Present

Building Engineering Design Office, Iran (part-time during studies, then full-time)

- Designed gas piping systems for residential and commercial buildings to the Iranian National Building Code, Part 17
- Produced AutoCAD plans and design calculation reports submitted to the building authority
- Coordinated drawings, revisions and approvals with clients and contractors

Electrical Panel Designer 2023 - 2024 (5 months)

Beta Barq Jonoub, Iran. Designed electrical switchboard layouts.

EDUCATION

BSc Mechanical Engineering, Islamic Azad University, Bandar Abbas 2021 - 2025

GPA 16.91 / 20

SKILLS

AutoCAD 2D/3D; gas piping design; building services (mechanical); calculation reports; Iranian National Building Code Part 17; fire suppression design; HVAC fundamentals; Autodesk Inventor; off-grid solar design; Microsoft Excel, Word, PowerPoint. Learning: SolidWorks, Revit.

CERTIFICATES AND TRAINING

2026 Business licence for gas pipe fitting and gas appliance installation, Bandar Abbas

2025 Domestic and Commercial Gas Pipe Fitting skills certificate, 390 h, 84/100 (Technical and Vocational Training Organisation)

2025 Iranian National Building Code Part 17 (Natural Gas in Buildings), 61 h (Hormozgan Construction Engineering Organisation)

2025 Off-grid Solar Power System Design and Installation, 12 h

2024 Fire Suppression Equipment Design, 30 h (Sharif University of Technology, Jahad Daneshgahi)

2023 Mechanical Building Services Design, 84 h (Sharif University of Technology, Jahad Daneshgahi)

2023 Gas System Design with AutoCAD, 24 h (Hormozgan Construction Engineering Organisation)

LANGUAGES

Persian: native. English: B1, studying for IELTS.