

Aduran Bahrami

BUILDING PERFORMANCE ANALYST

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Climate-first research and model-based comparison for daylight, energy and environmental design decisions.

SELECTED EVIDENCE

M.Sc. building-science thesis | completed 2026

Developed modeled hot-arid design comparisons with stated weather, geometry, envelope and operational assumptions. Results describe scenarios, not post-occupancy measurements.

Daylight and lighting studies

Constructed Honeybee/Radiance and DIALux-related study workflows; documented settings, output visuals and separate coursework evidence.

Climate and energy workflow

Interpreted weather, solar and wind context; used Grasshopper/Ladybug/Honeybee and EnergyPlus-backed comparisons. PV and uncertainty figures are estimates within the modeled setup.

TOOLS / METHODS

Ladybug, Honeybee, Grasshopper, Rhino, EnergyPlus, DesignBuilder, DIALux and Climate Consultant; AutoCAD and Revit.

EDUCATION

M.Sc. Architectural Engineering (Building Science) | Shahid Beheshti University | completed 2026

B.Sc. Architecture | Semnan University | visiting student at IUST

LANGUAGE

EF SET four-skill 62/100 (C1 overall); writing and speaking B2.