

# POUYA H. KHOSRAVI

Civil Engineer



Tehran, Iran



+98 9339576284



Pouya.khosravijivand@gmail.com



@thisispouyakh

## LANGUAGES

English (IELTS: 7.0) – 2024

English (TOEFL: 110) – 2026

French (Elementary)

## SKILLS

ETABS

SAFE

AutoCAD

OpenSees

DEEPSOIL

SeismoSignal

Visual Studio

Microsoft SQL Server

## EDUCATION

MASTER'S DEGREE

Shahid Beheshti University  
2024 – 2026

BACHELOR'S DEGREE

Sharif University of  
Technology  
2021 – 2024

## CAREER SUMMARY

Structural and earthquake engineering researcher with strong expertise in structural health monitoring, computer vision, and structural analysis. Experienced in modeling and design of RC structures, preparing technical reports, and working both on-site and in technical office environments. Skilled in developing engineering software tools and automating workflows to improve accuracy and efficiency. A motivated, adaptable, and detail-oriented candidate with a solid academic foundation.

## PROFESSIONAL EXPERIENCE

### ACADEMIC RESEARCHER – EARTHQUAKE ENGINEERING

FEB 2021 – PRESENT

Sharif University of Technology / Shahid Beheshti University

- Conducted research on structural health monitoring using various techniques.
- Developed a computer vision-based method to estimate lateral stiffness and strength loss in seismically damaged RC columns.
- Implemented image-processing pipelines (Shi-Tomasi, Canny, graph construction) and machine-learning models for damage assessment.
- Authored academic papers and technical reports in SHM and earthquake engineering.

### TECHNICAL OFFICE EXPERT

APR 2021 – SEP 2024

Abnie Rah Pejvak

- Began as a site engineer overseeing execution, progress control, and technical coordination.
- Later transitioned to the technical office, preparing project documents and coordinating engineering tasks.
- Performed cost estimation and quantity take-offs.
- Collaborated closely with project teams and supervised small task groups to ensure timely delivery of site requirements.

### SOFTWARE DEVELOPER

JUN 2017 – MAR 2021

Independent

- Created the **Synthetic Earthquake Record Generator**, enabling weighted combination of multiple accelerograms.
- Developed **DynoMass**, an interactive spring-mass-damper simulation tool.
- Built engineering automation tools using Visual Studio and SQL Server for data processing and reporting.
- Designed and deployed two full-scale e-commerce websites for individual clients.