

# Neda Ghasemzadeh Bafghi

**nedaghasemzadehbafghi@gmail.com**

- **(+98) 9044394528**

**<https://www.linkedin.com/in/neda-ghasemzadeh-bafghi/>**

## EDUCATION

---

- Khajeh Nasir Toosi University of Technology (KNTU) -Tehran, Iran Bachelor's student - civil engineering, (2025 - Present)
- Abou Ali Sina Educational complex -Tehran - High school Diploma, GPA : 19.85/20 (Graduated June 2022)

## PROFESSIONAL EXPERIENCE

---

### SHENS

- Member of the Sustainable Hydro-Environmental Systems (SHENS) (2025 - present)

### Teaching Assistant

- Assisted in the Open Channel Hydraulics course as a Teaching Assistant, guiding students through HEC-RAS software, addressing modeling challenges, and conducting tutorial and lab sessions to support applied learning.

## EXTRACURRICULAR ACTIVITIES

---

### Civil Engineering Scientific Association

- Member of the Civil Engineering Scientific Association at Khajeh Nasir Toosi University of Technology from 2024 to 2025

## CERTIFICATES

---

- AutoCAD Certificate - Union of Student Scientific Associations of Civil Engineering, Iran
- Revit Certificate - Union of Student Scientific Associations of Civil Engineering, Iran
- ETABS Certificate - the Civil Engineering Scientific Association at Khajeh Nasir Toosi University of Technology

## RESEARCH INTERESTS

---

- Hydrology and watershed modeling
- Rainfall analysis and spatial precipitation mapping
- Hydraulic modeling of rivers and open channels
- Hydrological data analysis and trend assessment
- Application of GIS and software tools in water resources engineering

## ACHIEVEMENTS

---

- Ranked 4th in the university and among the top 20% of the incoming class

## SKILLS

---

Microsoft Word	Advanced
Microsoft PowerPoint	Advanced
Microsoft Excel	Basic
Python	Basic
HEC-RAS	Intermediate
HEC-HMS	Intermediate
WMS	Basic
Global Mapper	Basic
ArcGIS	Basic
Plaxis	Intermediate
GeoStudio	Intermediate
AutoCAD	Intermediate
Revit	Intermediate

## LANGUAGES

---

### **English**

- Professional working proficiency

### **Persian**

- Native or bilingual proficiency

### **French**

- Elementary proficiency