Personal Information

Name and Surname: Nazanin Akbarzadeh

Email: nazninakbarzade80@gmail.com

City & Country of Residence: Tehran, Iran

LinkedIn: http://linkedin.com/in/nazanin-akbarzade-a6ab75344

Nationality: Iranian

Education

List your educational records from last to first. For Example:

BSc in Civil Engineering K. N. Toosi University of Technology, Tehran, Iran

- Duration: September 2022 – Expected June 2026
- GPA: 17.01/20.00

High School Diploma in Mathematics and Physics Dr.Hesabi High School, Tehran, Iran

- GPA: 19.05 / 20.00
- Graduated: June 2022

Research Publication

in preparation

Fields of Interest

- Integrated Water Resources Management (IWRM) and sustainable utilization of water in infrastructure projects
- Environmental Impact Assessment (EIA) and mitigation strategies in civil engineering developments
- Project planning, scheduling, and cost control in sustainable construction practices
- Design and implementation of eco-friendly urban water and wastewater systems

- Lifecycle assessment and environmental sustainability in construction materials and methods
- Risk analysis and resilience planning in water-related infrastructure projects

Conferences Attended

AutoCAD Training Workshop

- Attended a technical workshop focused on 2D drafting and fundamental CAD skills.
- Date: March 2023
- Mode: Online

Revit Educational Workshop

- Participated in a hands-on workshop covering BIM concepts and architectural modeling using Revit.
- Date: March 2023
- Mode: Online

Teaching Experience

Academic Advisor – Institute Alef Moshaver

- Provided academic counseling and guidance to final-year high school students preparing for university entrance exams.
- Assisted students in study planning, exam strategies, and stress management.
- Duration: September 2022 – March 2023
- Mode: In-person

Awards and Honors

National University Entrance Exam Rank: 1873 out of ~146,000 participants (Mathematics group)

Ranked among the top 2% of all participants in Iran's highly competitive nationwide university entrance exam (Konkour) – 2021.

Top Student Ranking – K. N. Toosi University of Technology

Currently ranked among the top 10 students in her undergraduate program at university, with potential to improve the rank further based on academic performance.

Work Experience

Site Office Engineer – Consulting Group

Location: Tehran, Iran

Duration: October 2023 – January 2025 (1.5 years)

- Served as a core member of the technical office, overseeing construction activities and ensuring alignment with engineering specifications both on-site and in-office.
- Reviewed and revised incoming execution drawings to resolve design inconsistencies and improve constructability.
- Performed technical supervision and participated in routine site inspections to ensure quality control and compliance.
- Conducted field testing such as shear connector (stud) inspections and weld quality verification.
- Acted as a liaison between the design and execution teams, offering on-the-ground solutions to technical issues.
- Supported general engineering tasks within the workshop and office environment, contributing to the smooth execution of daily operations.

Student Research Presenter – K. N. Toosi University of Technology

Location: Tehran, Iran

Duration: Winter and Spring 2024

- Conducted an independent study on the NNBF (Nature-Based Features) Guideline, focusing on nature-based solutions for flood risk reduction in riverine systems.
- Summarized key chapters of the guideline, highlighting practical strategies and engineering relevance.
- Delivered an academic presentation to peers and faculty, explaining the applicability of NNBF in mitigating river flooding.
- Enhanced research, technical reading, and public speaking skills through this semi-academic engagement.

Research Project – Flood Modeling and Risk Assessment using HEC-RAS

Location: K. N. Toosi University of Technology, Tehran, Iran

Duration: Fall 2024

- Conducted a technical research project focused on flood prediction and river modeling using the HEC-RAS software.
- Simulated flood scenarios by analyzing real topographic maps, cross-sectional profiles, and regional hydraulic data.
- Evaluated flood parameters including flow depth, discharge, and velocity to assess risk levels in the surrounding area.
- Applied hydrologic and hydraulic principles to examine flood behavior and support flood management planning.
- Gained practical experience in using engineering software for environmental hazard analysis and data-driven decision-making.

Research Assistant – Hydrodynamic Modeling Software Development Project

Location: K. N. Toosi University of Technology, Tehran, Iran

Duration: 2025 – Present

Team-based Project

- Collaborating in a multidisciplinary research team to develop a software platform capable of processing various hydrodynamic models and converting outputs into user-defined formats.
- Contributing to the architecture and functionality design of the tool, aimed at increasing flexibility and accessibility in water-related simulation workflows.
- Engaged in data gathering, technical research, and literature review to support functional requirements and design decisions.
- Gained hands-on experience in software development, hydrodynamic simulation structures, and reporting for engineering applications.
- Strengthened skills in teamwork, technical communication, collaborative problem-solving, and public presentation through regular group sessions and knowledge exchange.
- Played an active role in documentation, presentation preparation, and technical validation of model translation and format compatibility.

Skills

Technical Skills

- AutoCAD (2D Drafting, Plan Correction, Construction Drawing Interpretation)
- Revit (Basic Modeling and Visualization)
- HEC-RAS (Hydrodynamic Simulation and Flood Modeling)
- Microsoft Office Suite (Word, Excel, PowerPoint, Outlook)
- Technical Report Writing and Engineering Documentation
- Topographic and Hydraulic Data Analysis

- Familiarity with team-based software development workflows
- Basic experience with academic research tools and literature review methods

Soft & Interpersonal Skills

- Team Collaboration in Multidisciplinary Research Projects
- Public Speaking and Academic Presentation Delivery
- Time Management and Multitasking in Project Environments
- Critical Thinking and Problem Solving in Engineering Contexts
- Clear and Effective Communication in Group Settings
- Adaptability to New Tools, Tasks, and Collaborative Challenges
- Initiative and Self-Learning in Technical Domains

Languages

Persian: Native

English: Proficient

Turkish: Basic proficiency