



**Ahmad
Haghnegahdar**

Senior Application Engineer, N&ET

Quote "We stand on the
shoulders of giants."

BIO

Ahmad has a MSc in Chemical Engineering with experience in analyzing multiphase and turbulent flows in the field of biomechanics. Given his diverse background from medical devices to the energy sector, Ahmad recognizes and understands the challenges ahead of simulating multiphysics systems across different industries.

GOALS

- Advancing sustainability via simulations
- Cross-industry and multi-disciplinary problem solving
- Promoting *in-silico* over traditional experimentation

ANSYS EXPERIENCE

Ahmad joined the particle-based modeling group at Ansys for solid and fluid dynamics. He manages pre-sales efforts, conducts proof of concepts, and facilitates technology transfer to Ansys customers through collaborative projects and consultations. Ahmad also works closely with the research and development team, contributing to the integration of cutting-edge physics and enhancement of the Ansys product's capabilities.

SPECIALTIES

- Multiphase and Turbulent Flows
- Multiphysics (DEM, CFD, FEA)
- AI/ML Predictive Modeling
- Model-based Design

INDUSTRY INTERESTS

- Pharmaceutical
- Medical Devices
- Chemical Processing
- Energy
- Biotechnology



PROFESSIONAL

EDUCATION

MSc in Chemical Engineering,
Oklahoma State University, OK

Deep learning and Machine Learning
Specialization, Stanford University

PERSONAL

INTERESTS

Swimming, Sailing, Music

LANGUAGES

English, Farsi

COMPETENCIES

SIMULATION



ENGINEERING



LEADERSHIP



Ansys PHYSICS

