



# Shalini Dehart

## Engineering Consultant

An Engineering Consultant with 5 years of experience in providing innovative and cost-effective engineering solutions to clients across various industries. Demonstrates proficiency in project management, system design, and process optimization, ensuring timely project delivery and adherence to quality standards. Adept at collaborating with multidisciplinary teams, offering excellent communication and analytical skills to drive continuous improvement and exceed client expectations.

[shalini.dehart@gmail.com](mailto:shalini.dehart@gmail.com) 

(387) 181-3045 

123 Oak Street, Houston, TX   
77002

### Education

**Master of Engineering in  
Mechanical Engineering at  
The University of Texas at  
Arlington, TX**

Aug 2014 - May 2018

Relevant Coursework:

Advanced Mechanics of  
Materials, Finite Element  
Analysis, Computational  
Fluid Dynamics, Mechanical  
Vibrations, Robotics, Control  
Systems, Heat Transfer,  
Thermodynamics, Materials  
Science, and Manufacturing  
Processes.

### Links

[linkedin.com/in/shalinidehart](https://www.linkedin.com/in/shalinidehart)

### Skills

AutoCAD



MATLAB



SolidWorks



Python



LabVIEW



Finite Element Analysis (FEA)



Computational Fluid Dynamics  
(CFD)

### Employment History

#### Senior Engineering Consultant at Jacobs Engineering Group, TX

May 2023 - Present

- Led the successful completion of a \$50 million infrastructure project for a major Texas city, resulting in improved transportation efficiency and safety for over 500,000 residents.
- Developed and implemented innovative engineering solutions that increased operational efficiency by 20% and reduced overall project costs by 15% for a large-scale water treatment plant upgrade.
- Managed a cross-functional team of 25 engineers and consultants to deliver a complex, multi-phase energy project on time and within budget, generating over \$100 million in annual revenue for the company.

#### Engineering Consultant at Fluor Corporation, TX

Jul 2018 - Mar 2023

- Led the successful completion of a \$1.2 billion petrochemical plant expansion project in Texas, achieving 15% cost savings and finishing six months ahead of schedule.
- Managed a team of 50 engineers to design and implement energy-efficient systems for a major refinery, resulting in a 20% reduction in energy consumption and annual savings of \$5 million.
- Oversaw the development and implementation of an innovative water treatment technology for a large industrial client, reducing their wastewater discharge by 50% and saving them \$3 million annually in environmental compliance costs.

### Certificates

#### Professional Engineer (PE) License

Sep 2021

#### Certified Systems Engineering Professional (CSEP)

Nov 2019

### Memberships

#### National Society of Professional Engineers (NSPE)

#### American Society of Civil Engineers (ASCE)