

## Yasir Modak

400 Kerby Street,#101  
Arlington,Texas-76013.

Contact: +1 8179089736  
Email: yasir.modak@mavs.uta.edu

**Objective:** To secure a promising career in an inspiring environment where I can apply & ameliorate my knowledge, skill to serve the company to the best of my efforts.

### Education:

- **University Of Texas at Arlington**- Masters in Mechanical Engineering (Pursuing, Expected Graduation May 2016)
- **Shivaji University , India**- Bachelors in Mechanical Engineering (GPA-3.7)

### Experience:

- **One Month training at Kirloskar Oil Engines Limited, INDIA.**

Completed a project during the term on “**Vehicle Unloading Time Reduction**” and highlighted the deviations found. Grabbed an opportunity for hand on experience with various material handling practices.

### Computer Literacy:

- Software Tools: Conversant with Auto-CAD, Solidworks, ANSYS,ICEPAK, MATLAB, CATIA, C,C++,MS Office.

### Projects:

- **Analysis of Welded Joint Using Strain Measurement Technique.**

Developed a strain measurement system using strain gauges to calculate the stresses in fillet weld at different loads. Then performed stress analysis of a fillet welded joint using Finite Element Method (FEM) and validated the results (experimental) obtained from strain measurement system.

- **Kinematics and Dynamics of Adept Viper s650 Robot (UTA Fall 2014).**

Performed forward and inverse kinematics of Adept Viper s650 robot using Modified Denavit Hartenberg(MDH) parameters with all the transformation matrices by developing a MATLAB code.

- **Comparison of Over head air supply and Under head air supply in Data Centers.(UTA Spring 2015)**

The thermal performances of an air-cooled data center with over head supply and under floor supply configurations are compared with respect to the room and ceiling return strategies.

### Accomplishment/Awards/Honors:

- **Published paper at National Conference on Emerging Trends in Engineering & Technology (NCETET 2013 ISSN NO.2230-7850) -“Development of piezoelectric nanofibres by using electro spinning technique for energy application”.**
- Stood **2<sup>nd</sup>** at Paper presentation competition at Bharti Vidyapeeth’s College of Engineering (Development of piezoelectric nanofibres by using electro spinning technique for energy application).
- Coordinator CREANTUROUS (State Level event organized by Mechanical Department) for two successive years.
- Stood **1<sup>st</sup>** at Paper presentation competition at Walchand College of Engineering (Methods to harness exhaust gases of IC engine).
- Stood **2<sup>nd</sup>** Model tech event at Ashokrao Mane College of Engineering Kolhapur.

### Seminars Presented:

- **Strain Gauges for stress measurement in a fillet welded joint** in final year at BVCOEK INDIA.
- **3-D Printed Humanoid Robot** in third year of undergraduate studies at BVCOEK INDIA.

### Other skills:

Ability to work under pressure, possess a strong 'cradle to grave' approach to assigned projects, diligence and always open to new ideas to ameliorate skills.