

# Mayur Thawkar

Email: [mayurthawkar@gmail.com](mailto:mayurthawkar@gmail.com) | Mobile: +91 9284314944 | City: Pune

**Objective:** Actively seeking full time opportunities in Data Analyst and Business Analyst.

## Work Experience:

### Kothari Group, Product Development, Business Consultant

March 2022- Present

- Worked on cloud-based application using Python, Django and Angular to manage operations and optimize workflow in a process-based fabrication and galvanization plant. Customized MIS system using Figma. Integrated cutting plan developed using python thus reducing wastage and creating value.

### Hindustan Machine Tools Ltd., Mechanical Engineering Intern

June 2013

- Industrial Familiarization Training. Worked on casting, machining, finishing processes.

### Grip Tight Packaging (I) Pvt. Ltd., Mechanical Engineering Intern

June-July 2014

- Worked on packaging of various products.

### ICOM Institute

August-September 2014

- Thermal Power Plant Familiarization, Mechanical Maintenance on Thermal Power Station, Instrumentation in Thermal Power Plant.

### Laxmi Agro Steel Industries, Mechanical Engineering Intern

January-February 2015

- Conducted process mapping on sheet metal operations for its improvements. Performed sales and marketing forecasts using MDMS for efficient inventory control. Updated daily production reports and conducted lean training on shop floor.

## Technical Projects:

### Design Evaluation

- CFD analysis of an upgraded Audi R8. Worked on modelling, analysis and iterative testing of car at various conditions and test speeds.

### National Grid (Lean Six Sigma)

- A Lean Six Sigma project with National Grid which involves decreasing the total lead time. Prevent misplacement of parts by developing an inventory and finished goods recording system.

### Fuel Cell Optimization

- Design a solid oxide fuel cell of specific requirements. Worked on selection of material and manufacturing of fuel cell. Calculated total value for money.

### Line following Robot

- Did automation of gear manufacturing layout of an automobile company. Figured out what is most optimum way of reducing the handling of products to minimize product cycle time and thus increase profit. Made model of the whole layout and showed the findings using a small line following robot.

### Refrigeration Cycle Tutor

- Fabricated whole refrigeration system. It included two different types of condensers and various combination of expansion devices. It can be used to learn how refrigeration works under various conditions. Students can also understand what various changes in parameters are that must be done to acquire desired refrigeration effect.

## Education:

### Masters in Mechanical and Aerospace Engineering, (2016-)

Syracuse University, USA

*Courses:* Methods of Analysis, Fluid Dynamics, Computational Fluid Dynamics, Advance Mechanics of Materials, Fuel Cell Science and Technology, Principles of Turbo-Machines, Building Environment and Modelling, Lean Six Sigma, Project Management, Building Material and Envelopes, Energy Conversion.

### Bachelors in Mechanical Engineering, May 2014

RTM Nagpur University, India

**Software Skills:** HTML, CSS, Python, JavaScript, Figma, AWS, MATLAB, Minitab, Pointwise, Star CCM+, EES, Microsoft Suite, MS Project, CHAMPS-BES, SolidWorks, Catia V5.