



BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

Proactive problem solver with excellent communication abilities and a Master's degree in Mathematics and Statistics. Looking to obtain a job in a multinational corporation (MNC) to utilize statistical analytical abilities plus a 1-year quality Control experience. Also coming with strong statistical analytic capabilities and the ability to work with a variety of data environment, leadership, and programming abilities.

KEY EXPERTISE / SKILLS

Advanced Excel Microsoft Office Programming Languages Python Statistical Data Analysis Data Science Machine Learning
Teaching Team Leadership Self Learning MATLAB Minitab LaTeX Quality Control

EDUCATION

Indian Institute of Technology, Tirupati

2019 - 2021

M.Sc. - Mathematics and Statistics | CGPA: 7.10 / 10.00

Marwadi Education Foundation Group of Institutions

2014 - 2018

B.E. - Mechanical Engineering | CGPA : 8.23 / 10.00

Dholakiya Schools, Rajkot

2014

12th | GSEB | Percentage: 67.40 / 100.00

Sardamani School, Rajkot

2012

10th | GSEB | Percentage: 87.60 / 100.00

AWARDS AND SCHOLARSHIPS

- "Pratibha Sanman Paritosik" in 2006
- "Tejsvita Sanman" in 2012

PROFESSIONAL EXPERIENCE

Cast and Blower Co. (Guj.) Pvt. Ltd

March 3, 2018 - March 1, 2019

Quality Control Engineer

Key Skills:

reporting and documenting measuring and testing problem-solving abilities inspection techniques Quality Management Systems
testing methodologies Good analytical skills Leadership Skills Teamwork

Develop strategies to evaluate precision and accuracy of analytical equipment, tests & measurements and production equipment.

Monitor the entire production cycle and perform regular tests to identify potential malfunctions as early as possible

Determine quality metrics for all manufacturing procedures

Maintain, monitor and ensure highest quality in services or products.

Develop and initiate quality standards for tests, inspections and evaluations.

Inspect product materials and electrical systems for defects and durability

Identify the root of technical issues and recommend fixes

Work with internal teams to increase customer satisfaction by improving the quality of the products

Jawahar Vidyalaya

July 5, 2016 - June 11, 2018

Mathematics Teacher

Key Skills: Confidence Enthusiasm Creativity Dedication Patience Communication

Balancing the different learning needs of students. Every student who walks in to the classroom or lecture hall is different.

trying to make it more interesting.

PROJECTS

Heat Transfer Augmentation In Tube

July 12, 2017 - May 16, 2018

Mentor: Prof. Dhaval Anadkat | **Team Size:** 4

Key Skills: Heat Exchangers Twisted aluminium strip Thermocouple Arduino

1. With help of twisted aluminium strip, create turbulent flow in the copper rod to achieve better heat transfer rate.
2. To augmentation rate of heat loss in circular pipe.
3. To enhance augmentation of heat exchanger.
4. With help of thermodynamic fluid achieve high rate of heat transfer.

CYCLOTREAD

July 15, 2015 - May 9, 2017

Mentor: Prof. Nikunj Vaishnav | **Team Size:** 5

Key Skills: treadmill Lopifit

CYCLOTREAD is basically a treadmill on wheels. As the individual walks on it, it replenishes the battery which feeds an electric motor. The biggest advantage is that; it does not require any fuel which may contribute to global warming. All that it needs is two legs on the belt of the treadmill. Our aim is fit and active people who can focus on their workout even if they travel and lose extra gained calories. It overcomes the problem of steady and same environment in gym during exercising on treadmill. It provides access to open environment with travel as well as exercise. It helps to save time and fuel.

ASSESSMENTS / CERTIFICATIONS

IBM Data Science

Key Skills: Python Data Science Machine Learning

Courses involved in IBM Data Science Specialization

1. What is Data Science?
2. Tools for Data Science
3. Data Science Methodology
4. Python for Data Science and AI
5. Databases and SQL for Data Science
6. Data Analysis with Python
7. Data Visualization with Python
8. Machine Learning with Python
9. Applied Data Science Capstone

Business Statistics and Analysis

Key Skills: hypothesis testing confidence interval estimation Linear Regression Advanced Excel

Courses involved in Business Statistics and Analysis Specialization

1. Introduction to Data Analysis Using Excel
2. Basic Data Descriptors, Statistical Distributions, and Application to Business Decisions
3. Business Applications of Hypothesis Testing and Confidence Interval Estimation
4. Linear Regression for Business Statistics
5. Business Statistics and Analysis Capstone

Biostatistics in Public Health

Key Skills: Multiple Regression statistical tests

Courses involved in Biostatistics in Public Health Specialization

1. Summary Statistics in Public Health
2. Hypothesis Testing in Public Health
3. Simple Regression Analysis in Public Health
4. Multiple Regression Analysis in Public Health

SEMINARS / TRAININGS / WORKSHOPS

Teachability-Attitude, Alignment & Assessment

Feb. 13, 2017 - Feb. 14, 2017

Institute Name: Marwadi Education Foundation Group of Institutions

Key Skills: Communications Group Work Task Management

Skill Development Program on Finite Element Analysis For Engineering Application

Jan. 19, 2017 - Jan. 21, 2017

Institute Name: Marwadi Education Foundation Group of Institutions

Key Skills: Finite Element Analysis Mechanics of Materials Mechanical Testing Stress Analysis

PERSONAL INTERESTS / HOBBIES

- Car Driving
- Listening Music
- Playing Chess

WEB LINKS

- LinkedIn - <https://www.linkedin.com/in/harsha-pedhadiya-b875001a0/>

PERSONAL DETAILS

Gender: Female

Marital Status: Unmarried

Current Address: Morbi Road, Nava jakat naka, Shiv Pan street,
Jalaram society, Rajkot., Rajkot, Gujarat, India - 360003

Emails: ma19m001@iitp.ac.in , pedhadiyaharsha19962@gmail.com

Date of Birth: Nov. 3, 1996

Known Languages: English, Hindi, Gujarati

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REFERENCES

- **Prof. Dhaval Anadkat**
(College Professor, MEFGI, Rajkot, Gujarat)
- **Dr. Pooja**
(MBBS Doctor, GMERS Medical College, Gandhinagar)
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