



ISHAN GAWAI

Post Graduate Engineer – Mechanical Engineering

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OBJECTIVE

Seeking a challenging position to enhance my skills towards the growth of organization where I can work hard to be a confident individual with commitments to work and control over situation and changes.

EDUCATION

Saradar Vallabhbhai National Institute of Technology, Surat, Gujarat

(2018-Running)

- **Ph. D.** in Mechanical Engineering: Modifications and application of advanced optimization techniques in engineering problems
 - A modified evolutionary algorithm is formulated and applied on the several engineering problems.
 - All the programs are coded and the results are generated in MATLAB.

Saradar Vallabhbhai National Institute of Technology, Surat, Gujarat

(2 Years, 2016 - 2018)

- **M. Tech.** in Mechanical Engineering (**CGPA: 8.05**)
 - Optimization of constrained problems using various constraint handling techniques in differential evolution algorithm

Semester	I	II	III	IV
SGPA	7.58	6.83	8.8	10

P. R. Pote College of Engineering and Management, Amravati, Maharashtra.

(4 Years, 2011 - 2015)

- **B. E.** in Mechanical Engineering (**CGPA: 8.56**)

Semester	I	II	III	IV	V	VI	VII	VIII
SGPA	8.92	7.52	6.24	6.44	7.77	8.04	8.33	8.78

Brijlal Biyani Science College (Jr.), Amravati, Maharashtra.

2011

- **H. S. C.**, Maharashtra State Board (**Percentage: 72.33**)

Narayandas Laddha High School, Amravati, Maharashtra

2009

- **S. S. C.**, Maharashtra State Board (**Percentage: 91.38**)

PROJECTS

M. Tech. Project- Optimization of constrained problems using various constraint handling techniques in differential evolution algorithm

The constrained benchmark problems are solved using four new constraints handling techniques in MATLAB 2016 and compared according to their respective results.

- Proposed four new constraint handling techniques.
- Proposed of new mutation strategy in differential evolution.
- Coding of differential evolution algorithm and new techniques in MATLAB.

B. E. Project- Prototype of Electric Vehicle

An electric 2-seater car was designed and built.

- Design and analysis of vehicle in CREO and ANSYS Workbench respectively.
- Tube bending and Welding of steel tubes for the roll cage of electric car while keeping the expenses minimum.

INTERNSHIP

• **Fortuna Engineering Nashik Pvt. Ltd., Nashik, Maharashtra**

(4 Weeks, 25th May-25th June, 2014)

Quality Management and Inspection.

- Squareness gauge.
- Digital Height Gauge.

ACHIEVEMENTS/ EXTRA CURRICULAR ACTIVITIES/ COURSES

- **Managed and conducted** a two-day workshop of 'Hands on Vehicle Overhauling' by Prigma Edutech Solutions in 2014 in PRPCE, Amravati.
- Participated in SAE BAJA and SAE SUPRA competition in 2012-13 and 2013-14.
- **Mentored** a SAE BAJA team in 2014-15.
- Attained a one-week workshop on 'Advanced IC Engine Technology' by Expertshub in 2013 in Sinhgad college of engineering, Vadgaon, Pune.

SKILL And INTERESTS			
• Programming Languages		• Design and Simulation Technologies	
○ MATLAB	★★★★☆	○ PTC Creo	★★★★☆
○ C++	★★★★☆	○ AutoCAD	★★★☆☆
○ Python	★★★☆☆	○ CATIA	★★★☆☆
• Other: MS Office	★★★★☆	○ ANSYS	★★★★☆
• Interests: F1 racing (Sport), Puzzles			

LANGUAGES	Read	Write	Speak
English	✓	✓	✓
Hindi	✓	✓	✓
Marathi	✓	✓	✓

PERSONAL DETAILS

Father's Name: Ramesh N. Gawai
Gender: Male
Marital Status: Single
Nationality: Indian
Birthday: 3rd May 1994 (28yr old)
Permanent Address: Wadnerkarwadi, Sainagar, Amravati, Maharashtra, India. Pin: 444607

Declaration

I, Ishan Gawai, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Ishan Gawai
Surat, Gujarat
2nd July 2022