

## B. TECH INTEGRATED MECHANICAL ENGINEERING

NAME – RAJ NARENDRA MHATRE      CONTACT NO: 9920157398  
DATE OF BIRTH – 18<sup>th</sup> MARCH, 1998.      EMAIL: [rajmhatre10@gmail.com](mailto:rajmhatre10@gmail.com)

### OBJECTIVE

I am seeking a position as an Engineer/Developer in a reputable company that permits me to utilize my skills and knowledge to the fullest.



### EDUCATION

Degree	Institute	Board/University	Year	Performance
<b>B TECH INTG</b>	MPSTME	NMIMS	2015-2021	2.9 / 4 CGPA
<b>X</b>	H. M.P. S	SSC	2015	74%

### TECHNICAL SKILLS

Domain	Proficient in	Familiar With
<b>Languages</b>	JavaScript, HTML, CSS	React, Java, Python, C++,
<b>Operating Systems</b>	Windows (7, 8,10,11) Android/iOS	Mac OS,
<b>PLCs</b>		Bosch L20 DP, LX8
<b>Software</b>	Microsoft Office (Word, PPT)	Excel
<b>Designing and analysis</b>	SolidWorks	ANSYS, Auto Cad, fusion 360, Netfabb, Alias, simplify 3D, Cura

### INTERNSHIPS

Company	Domain	Brief Description
Ishwar Engineering Company (Mumbai) Period (10/04/21 to 03/01/-22)	<b>Design and Inspection (intern)</b>	worked as a trainee design engineer for the inspection and testing of oil-firing equipment <ul style="list-style-type: none"><li>Centrifugal air blower (direct and indirect driven)</li><li>oil firing Unit (heating pumping and filtering).</li></ul>

### JOBS

Company	Domain	Brief Description
Boson Machines 3D printing (Mumbai) Period (06/02/22 to 12/09/-22)	<b>Design Engineer</b>	I Worked at Boson Machines as a <b>Design Engineer</b> designing various engineering parts and models using software like Fusion 360 and Solid Works and 3D printing these parts using slicing software like Cura and Simplify 3D.
Capco water solutions (Mumbai) Period (15/09/22 to 25/03/-23)	<b>Project Engineer</b>	I worked as a <b>Project Engineer</b> on NTPC projects of water disinfection systems where the system was designed to maintain the efficiency of the thermal power plant which is affected by bacteria and fungi.

## B. TECH INTEGRATED MECHANICAL ENGINEERING

NAME – RAJ NARENDRA MHATRE      CONTACT NO: 9920157398  
DATE OF BIRTH – 18<sup>th</sup> MARCH, 1998.      EMAIL: [rajmhatre10@gmail.com](mailto:rajmhatre10@gmail.com)



### KEY PROJECTS / TECHNICAL PUBLICATION / PRESENTATIONS / WORKSHOPS

Key Projects		
Year	Project Title	Platforms Used / Brief Description
3 <sup>rd</sup> Year	Energy generation using piezoelectric crystals	Using dynamic loading on piezoelectric plates to demonstrate effective free electricity generation for a hazard signaling device
Final Year Project (August 2020-March 2021)	Electric auto Rickshaw	Designing and manufacturing an Electric Auto rickshaw from scrap. Full working physical model.
08/09/23	E-learning Website	Designed a website using HTML CSS-bootstrap and JAVASCRIPT

Presentation / Workshop	Brief Description
Nelson Global, Daman Industrial Visit	Manufacturing of Air intake manifolds, Catalytic converters, and Exhaust Silencers for Diesel Gen sets.
Larsen and Toubro Industry Visit	<ul style="list-style-type: none"><li>Training Module Workshop on Industrial Safety at Madh Campus</li><li>Sheet Metal and Fabrication</li></ul>
Haptics robotic arm workshop	<ul style="list-style-type: none"><li>Assembling a gesture-controlled robotic arm programmed using Arduino</li></ul>
Kumud Metals Industrial Visit	<ul style="list-style-type: none"><li>Casting process</li></ul>
Atai Auto	<ul style="list-style-type: none"><li>Automobile parts manufacturing</li></ul>
Saral Engineering	<ul style="list-style-type: none"><li>Manufacturing of machines used in pharmaceutical companies (Fluid Bed Dryers)</li></ul>
CNC Machining Workshop	<ul style="list-style-type: none"><li>Operated Lathe CNC with the application of G-codes and M-codes</li></ul>

### EXTRA-CURRICULAR ACTIVITIES / ACHIEVEMENTS / INTERESTS/STRENGTHS

Social Impact	
Co-Curricular And Extra – Curricular	Represented school in Dr Homi Bhabha competitive Exams, Drawing exams elementary and intermediate, Science state-level projects
Interests	<ul style="list-style-type: none"><li>Travelling and exploring</li><li>Updating and enhancing knowledge of the tech and automotive industry</li><li>Sneaker collection &amp; Resale</li></ul>
Achievements (certifications)	<ul style="list-style-type: none"><li>Polarizer innovative project competition organized by mpstme</li><li>Autodesk, AutoCAD for design and drafting exam prep through Coursera</li><li>L&amp;T training on safety by L &amp; T madh Mumbai</li><li>Science state-level project</li></ul>
Strengths	<ul style="list-style-type: none"><li>Team player</li><li>Creative</li><li>innovative</li></ul>