

Bhargav Patel

B. Tech in Plastic & Polymer Eng.

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Career Objectives:

As a Research & Development Engineer, I have a strong desire to advance new abilities and expand my technical understanding in order to adopt a more analytical mindset. Always keen for collaborating numerous teams, with industry experts, and contributing to the design & development of New Product, is something I am passionate about. My area of expertise is keeping up with the most advancements, technology and trends in the manufacturing industry. I am strongly committed to delivering high-quality work, that enhances business growth and customer acquisition of the organization.

Achievements & Paper Publication

- 1) Submission of full-length Book Chapter in CRC press of Tyler & Wilson on the **topic “Sustainable biodegradable & Bio-based Polymers”**.
- 2) Submission of full-length Review Paper in Chemical record of Wiley on the topic **“Recent development & research avenues for polymers in electric vehicles”**.

Technical Skills:

- AutoCAD
- NX Software
- Ms Office: Excel / Power Point / Word
- Presentation / Communication
- Project Management
- Market Analysis & Research
- Product Development / Design
- Lean Manufacturing

Education Qualification:

Qualification	Passing Year	Institution	Grades
B. Tech – Plastic & Polymer Eng.	2022	MIT, Aurangabad	CGPA- 8.64 (86.4%)
Diploma – Plastic Eng.	2019	Shri Bhagubhai Mafatlal Polytechnic	CGPA- 8.34 (80%)

Work Experience:

1) ASCENSO TYRES, Gujarat (November 2023-Present)

- **Research & Development Department (Senior Executive)**
- **Product Development**
 1. Conceptualize, design and develop new products from initial concept to production release.
 2. Conduct thorough market research and analysis to identify customer needs and market trends.
 3. Optimize product design for cost-effectiveness, manufacturability and scalability.
 4. Interact with cross-functional teams including design, manufacturing and marketing to ensure product success.
 5. Conduct feasibility studies and risk assessments to evaluate product viability and product challenges.
 6. Staying updated on emerging technologies and industry trends to drive innovation and competitive advantage.
 7. Working on Innovative project that promote business development and enhance the company portfolio.

➤ **Technical Business Development**

1. Acquiring new Clients by Identifying and securing new business opportunities, resulting in overall increase in % of client base over a long term.
2. Analysing and conducting a thorough market research to identify industry trends, competitive landscape and potential business opportunities.
3. Collaborating with senior managements to develop and implement business development strategies, action plans which will help in delivering compelling business proposals and presentations to prospective clients.
4. Utilizing strong technical knowledge to effectively communicate product features and benefits to potential clients.
5. Delivering compelling product demonstration and technical presentation to showcase product capabilities, for building and maintaining strong relationships with key clients, ensuring high level of customer satisfaction and repeat business.
6. Consistently meeting or exceeding sales target, contributing to revenue growth by many % margin in short time.

2) YOKOHAMA- Off Highway Tyre, Mumbai (November 2022- October 2023)

➤ **Research & Development Department (Design Engineer)**

➤ **Design Engineer in Product Development**

1. Pursuing the knowledge of New Product Development and Industrialization under PDC engineer.
2. Understanding the fundamental of designing Tyre Layout, Cavity and Tyre component in AutoCAD and Designing Software.
3. Learning Tyre industry trends and New Tyre Technology.

➤ **Product Database Engineer**

1. Creating engineering released document, which contains tyre critical technical values, provided to OEM's and Customers.
2. Helping in solving OEM's queries and make work handling easy for the company to find the data.
3. Creating technical data sheets that are posted on the company's website.

3) CEAT Tyres Ltd, Mumbai (February 2022- August 2022)

➤ **Technology Department (Internship Trainee)**

➤ **Tyre Building**

1. New Product Industrialization in preparation of material components.
2. Cut Tyre Rating Analysis to improve the rating of Tyres and Defect Reduction.
3. Follow up in Tyre Building to make check Tyre as per the improvement.

➤ **Curing Department**

1. Thermocouple Analysis in Flotation Tyres. (Project Area)
2. Improvisations in Curing Cycle and cost reduction.

4) Sarvottam Polymer Pvt Ltd – Mumbai (December 2018 - August 2019)

➤ **Production & QC/QA Incharge (Internship Trainee)**

1. Maintaining product quality as per ISO standards, hourly checking of products and carrying out overall Inspection and testing on the final product.

2. Handling the production work-line, working on innovating new products.

5) Sunita Tools Pvt Ltd – Mumbai (June 2017 - November 2017)

➤ QC Inspection & CNC operator (Internship Trainee)

1. Inspecting the finished mould plates, carrying out assembly, and carrying out testing with sophisticated instruments.
2. Carrying out the different operations on mould plates on a CNC machine.

Academic/other projects:

❖ B. Tech Project:

1. Self-Healing Capsules: Process, synthesis, characterization, application and making of Review paper.
2. Composite of Bagasse with Waste Plastic.

❖ Diploma Project:

1. Creation of plastic sheets with the use of Vacuum Infusion procedure for plastic resin.

Interpersonal skills:

- Creator and Editor of Plastic & Polymer Eng. Department E-Magazine. (5 E-Magazine)
- President of the Department & APPEs Committee in college
- Co-Ordinator & Volunteer of National Level Technomindz competition. (2021)
- Completed Rubicon Workshop on Personality Development, Time Management & SWOT Analysis

Accomplishment:

- National Level Gold & Silver Medallist in Martial Arts Karate (2018 & 2019)
- District Level Silver Medallist in Kickboxing

Hobbies:

- Martial-Arts Karate (Black-belt)
- Kickboxing
- Travelling & Exploring
- Researching

Personal Details:

- Date of Birth: 23-08-1999
- Languages Known: English, Hindi, Marathi, Gujarati