

ARPIT SHARMA

Mechanical Engineering Undergraduate

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📍 104/B, Sindhi Colony, Lal Bahadur, Shastri Marg, Ujjain, (M.P.) - 456010 📅 09 Dec 2000 🇮🇳 Indian 🏠 Single

👤 Male

📄 PROFILE

A conscientious and meticulous individual seeking a learning opportunity in the field of Mechanical Engineering. Adept at creating documentation, analyzing data, and determining solutions. Eccentrically centric ability to manage projects of varying complexity. Innovative, creative, and eager to share ideas and learn new skills.

📁 INTERNSHIPS / TRAININGS

Engineering Trainee, RASHTRIYA ISPAT NIGAM LIMITED (Vizag Steels) - GOI Undertaking Operations & Maintenance of a CNC Lathe - This training was aimed to study the manufacturing and operational aspects involved to design a desired industrial roll profile by using a CNC machine. The rolls are used to impart the desired shape to the hot processed steel.	May 2022 – Jun 2022 Visakhapatnam, A.P.
Engineering Trainee, ULTRATECH CEMENT LIMITED (KCW) - Aditya Birla Group The Process of Cement Manufacturing & Prime Machineries Involved - Learned about the systems and mechanisms of various types of machinery used for effective processing of cement as a final product, from mining to packaging and delivery to the markets.	Jul 2021 – Jul 2021 Jaipur, Rajasthan
Kaushal Trainee, BHARAT HEAVY ELECTRICALS LIMITED - HPEP Overview and Concepts of Steam Turbine, Compressors, Pumps, and Gas Turbines.	Oct 2021 – Oct 2021 Hyderabad, Telangana

🏛 EDUCATION

Bachelor of Technology - Mechanical Engineering, Vellore Institute of Technology (VIT University) CGPA - 8.78 (Till 3rd Academic Year)	Jul 2019 – Aug 2023 Chennai, Tamil Nadu
HSC - 12th Standard, Christu Jyoti Convent Sr. Sec. School Percentage - 83.6 % (PCM - CBSE)	Jun 2018 – May 2019 Ujjain, Madhya Pradesh
SSC - 10th Standard, Christu Jyoti Convent Sr. Sec. School CGPA - 8.8 (General - CBSE)	Jun 2016 – Jun 2017 Ujjain, Madhya Pradesh

🧠 SKILLS

Computer Aided Modeling - SOLIDWORKS | Fluid Power System Design (FLUIDSIM)
Electric Circuit Designing (LTspice) | Industrial Operations & Engineering Management
Engineering & Machine Drawing | Mechanical Drafting | Equipment Analysis | Data Visualization & Analysis
Microsoft Office Proficiency | 3D - Printing (FlashForge & Ultimaker Cura)

🌐 LANGUAGES

- English
- Hindi
- German (Elementary)

PROJECTS

Optimized Flash Generation Methodology in Linear Friction Welding Application.

Optimization by varying the burn-off length of the weld from the predefined values. The study of flash morphology and allied mechanisms - setting all the leverage parameters as standard constants - iterating a single parameter until the lowest flash for that particular point is achieved.

Design Optimization of Bucket Elevator System Mechanism.

This project was created to investigate the design of a bucket elevator as well as to improve manufacturing knowledge of the equipment's processes and construction. A velocity study - the design of a discharge bucket elevator with simultaneous buckets for lifting bulk material at a specific height for a specific output rate.

Aeraient - 360 - Impeller based Air Cooler (New Product Development Approach)

The proposed design consisted induced draft fan which takes in the air from the atmosphere from the bottom of the cooler, powered by an impeller forcing the same air upwards in swirling motion. The concept incorporated manufacturing using 3D printing concepts making product mobile, handy & space savvy.

Revobin - The Revolving Dustbin

A smarter dustbin to resolve issues of segregation & hygiene. The purpose of this project was to study new designs for existing daily use objects that need to be converted into hands-free operation at the earliest due to the recent pandemic (COVID-19) and as a precaution to curtail cross contamination as a measure.

Furnispace - The Space Saving Furniture (Business Canvas for a Lean Enterprise)

R&D, Marketing, Platform Management, Site Visits, Quality Checks, Partnering, Cost Structuring and Estimations, Resource Management & Customer Relationship, to plan a business canvas for a lean enterprise.

CERTIFICATES

Optimized Flash Generation Methodology in Linear Friction Welding Application

Larsen & Toubro Ltd.

Analysis & Design of Structures

NIT Jalandhar

Sales Executive - Dealership

Automotive Skill Development Council, India

Solar Energy Resources

The Open University, U.K.

Product Design - Ergonomic Considerations

PluralSight

Safety in Utility Industry

Coursera

Introduction to Fusion 360

Autodesk Inc.

Fundamentals of Digital Marketing

Google - Digital Garage

Introduction to Six Sigma Training

Master of Project Academy

INTERESTS

Drawing & Painting | Playing Football & Badminton | Dancing | Spiritual Reading

CO - EXTRA CURRICULAR ACTIVITIES

Dance Club - VITCC

Team Member

Christu Jyoti Convent Sr. Sec. School, Ujjain

Office Bearer