

HARSHWARDHAN CHOUHAN

Current Location: Bhopal / Indore

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SYNOPSIS

A **dynamic technical graduate** with **8.7 CGPA in B.Tech** (Mechanical & Electronics) & having **1.5 years** of internship **experience** in reputed organization(s). **After leading & executing almost 10 projects and earning more than 10 technical certifications**, I am **looking forward to** join a leading organization in a job profile that will give me opportunity to **enhance my technical skills** & offer good **career enhancement** opportunities in future.

CORE COMPETENCIES

Soft Skills: Excellent Communication, Leadership skills, Innovative, Practical & Analytical Approach, Enthusiastic & Loaded with Initiative.

Job Skills: Good Theoretical & Practical Knowledge of Mechanical & Electronic Systems, Machine Design, CAD/CAM, Operations, Manufacturing Process Rapid Prototyping & PCB Design.

ACCOMPLISHMENTS

- I was the project leader for ~10 mechanical & / or electronics projects in engineering college, involving practical application of knowledge gained in Mechatronics. These included Robotic Arm 3D Printer, Savonius Wind Turbine, Single axis flight controller, Li-Fi Wireless Communications, Piezo sensor alarm, Bluetooth door lock, Light Activated Switch Circuit and Fuel filling quantity and flow rate monitoring.
- I was awarded as **best intern** at Bowl.Company, Indore, for **value addition to ongoing projects**.
- **Won State & National Level SHOTGUN shooting Championship.**

PROFESSIONAL EXPERIENCE

Contributed to organizational growth by working as an intern, while doing Engineering, in following organizations:

Bowl Company, Indore; (6 months) (2020-2021) (During 8th Semester)

- **Decreased rework cost** by working on unique CAD model.
- Customized and designed **compact PCB's**.
- Attained **96% efficiency** in food delivering system.
- Hardware designing.

- CAD designing – **Solidworks, Autodesk Inventor**
- Developed **mathematical calculation** for machine movement.
- Developing **refrigeration system** for machine.
- Experience with embedded systems and complex robotics.
- **Circuit audits and repairing**

Liugong Machinery Co. Ltd, Pithampur; (4 months) (E-Internship) (2020) (During 7th Semester)

- Developed several projects to **increase fuel filling efficiency and vehicle safety**.
- Developed projects to **increase work efficiency** in the plant.
- Project on Industrial security with alert system using Fire Sensor.

Lupin limited, Ankleshwar; (3 months) (2020) (During 7th Semester)

- Improved Boiler **efficiency to 91.77% and conserved 20.1 Lakh per annum**.
- Reduced methanol wastage by automating the process.
- Participated in **pump optimization project** to increase centrifugal pumps efficiency.

SCANTECH Laser, Pune; (2 months) (E-Internship) (2020) (During 6th Semester Break)

- Created a **robotic arm integrated 3D printer**.
- Modified robotic arm to **increase print area** of 3D printer.

Indian Institute of Technology, Indore; (2 months) (2018) (During 2nd Semester Break)

- Conducted research on **shape memory alloy**
- Prepared inchworm mechanism using Nitinol.

EDUCATION

B. Tech - Mechanical & Electronics (Mechatronics) (CGPA: 8.7) (2017-2021)

Symbiosis University of Applied Sciences, Indore

CERTIFICATIONS

- **SOLIDWORK Integrated CAM with HSMXpress** – Linkedin Learning (06/2020)
- **G-Code Programming for CNC Foundations** – Linkedin Learning (04/2020)
- **How to conduct evidence-based research** – Researcher Academy (04/2020)
- **PCB design and assembly** – Symbiosis workshop (02/2020)
- **Inventory Management** – Mr. Adarsh Amal (04/2021)
- **Lean Six Sigma Green Belt** – Udemy (04/2021)
- **From wind turbine to grid integration** – Alison (06/2020)
- **Industry 4.0** – TATA STEEL (04/2020)
- **Internet of Things** – NxDT (02/2020)
- **National Engineering Olympiad** – Star Skillcare Education Private Ltd. (05/2020)

