

# Sushilkumar Yadav

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## EDUCATION

### PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY

Solapur, MH

Bachelor of Technology

Expected May 2025

Major in Mechanical; Minors in Automobile

Cumulative GPA: 9.63/10; Dean's List 2021-2022

Relevant Coursework: Thermodynamics, Heat Transfer, Machine Design, Manufacturing Processes, Automotive Engineering

### MAHARASHTRA STATE BOARD

Pune MH

Science Stream

May 2019

Percentage: 77%

Relevant Subjects: Physics, Chemistry, Mathematics, Biology

### MAHARASHTRA STATE BOARD

Pune MH

Science Stream

May 2019

Percentage: 70%

Relevant Subjects: Mathematics, Science, English, Social Science

## WORK EXPERIENCE

### MAHABAL METALS PRIVATE LIMITED.

Miraj, MH

Design Engineering Intern

Jun 2024 – Sep 2024

- Contributed to designing and improving mechanical components for better product functionality
- Performed simulations to boost product efficiency by 15%
- Helped optimize designs, reducing material usage by 20%

### BHAI BHAI TRANSFORMER

Akluj, MH

Project Management Intern

Jun 2024 – Sep 2024

- Assisted in managing project timelines and coordinating between engineering, production, and quality teams to ensure timely completion of tasks.
- Contributed to optimizing workflow processes, leading to a 15% increase in operational efficiency.

## UNIVERSITY PROJECTS

### FORCED CONVECTION HEAT TRANSFER BY USING CLOCKWISE AND ANTICLOCKWISE ARRANGEMENT OF BIPARTITION

Aug 2024

- Improved heat transfer using clockwise and anticlockwise bipartition arrangement.
- Optimized fluid flow patterns for enhanced efficiency.

### REMOTE-CONTROLLED SPRAYING MACHINE (Team Leader)

Apr 2024

- Designed a machine for precise, remote-controlled spraying
- Enhanced application efficiency and accuracy.

## ACTIVITIES

### MECHANICAL ENGINEERING STUDENT ASSOCIATION

Pandharpur, MH

Committee Member

Sep 2023 – Sep 2024

- Launched the Business Series for finance training, benefiting 200+ students.
- Organized 10+ networking events with 300+ participants from three universities.

## ADDITIONAL

**Technical Skills:** Proficient in AutoCAD, Experienced with CATIA, and SolidWorks.

**Languages:** Fluent in English; Conversational proficiency in Hindi and Marathi.

**Certifications & Training:** Online Course in Management (Coursera), Mechanical Administrative Certificate

**Awards:** Top Performer in University Engineering Projects (2023). Runner-up in Speech Competition (2024).