



Suyash Santosh Koli

Mechanical Engineer

Passionate, Empathetic, and Dedicated, I am an Engineer with a deep commitment to make a positive impact in the World. With a strong belief in the power of Knowledge, I am driven to create a meaningful change through my work.

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 26 June, 2004

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EDUCATION

B.TECH. in Mechanical Engineering

Annasaheb Dange College of Engineering and Technology, Ashta.

November/2022 – pursuing.

CGPA : 9.01 (upto 6th semester)

Course: Mechanical Engineering. (Minor in Internet of Things & Honors in Specilization Minor)

HSC

Laxmanrao Kirloskar Vidyamandir Junior College, Palus.

June/2021 - March/2022

Percentage : 64.50%

Course: HSC, PCM- Mechanical

SSC

Laxmanrao Kirloskar Vidyamandir, Palus.

May/2020

Percentage : 77.60%

Course: Technical (Mechanical)

ACADEMIC PROJECTS

Electricity Generation from Radio Waves. (July/2023 - February/2024)

- Designed a prototype to harvest ambient RF energy and convert it into usable electrical power.
- Optimized circuit efficiency for low-power applications.

Design and Development of Experimental Setup for Study of Natural Frequencies of Continuous System (August/2024 - Present)

- Developed an experimental setup to analyze natural frequencies in continuous systems.
- Designed and fabricated components for accurate frequency measurement.
- Utilized vibration analysis techniques for system behavior evaluation.

Project (During Nuclear Power Corporation India Limited –KKNPP Internship) (May-2025)

Visual Inspection and Maintenance Study of Feedwater Flow Systems in VVER-Type Nuclear Thermal Loop.

Project Type: Observational Study

- Studied the layout and basic working of feedwater systems in the reactor loop.
- Observed how piping, cooling, and heat transfer happen inside the thermal circuit.
- Learned how regular checks and maintenance are done to keep the system safe.
- Prepared a short summary report and submitted it to the training division.

INTERNSHIP

Nuclear Power Corporation of India Limited – Kudankulam Nuclear Power Plant (KKNPP)

In-Plant Training on “Familiarization of Mechanical Practices in Kudankulam Nuclear Power Project 1&2” (May/2025)

- Underwent in-plant training on mechanical and maintenance practices in Units 1 & 2.
- Observed the layout and working of feedwater systems in VVER thermal loop.
- Understood coolant flow, heat transfer zones, and plant safety processes and Protocols.
- Submitted a summary report to NPCIL Training Division as part of mini project work.

In-Plant Training (15 Days) – Veerasha Casting Pvt. Ltd., Kupwad. (July-2024)

Gained practical exposure to casting processes, including mold design, metal pouring, and quality control.

- Studied casting defects, their remedies, and industrial safety protocols in foundry operations.
- Assisted in mold preparation, metal pouring, and finishing of cast components.
- Analyzed casting defects and learned corrective measures for quality improvement.

In-Plant Training (15 Days) – Die-Mech Engineers Pvt. Ltd., Kupwad. (July-2024)

- Gained hands-on training on CNC and VMC machine operation.
- Observed real shop-floor processes and component machining in industrial conditions.

SKILLS (Technical & Programming)

Engineering Drawing Interpretation

AutoCAD

CAD/CAM

MATLAB

Thermal & Vibration Analysis

ANSYS (Structural & Modal Analysis)

Arduino & Basic Microcontroller Programming

Embedded C

C/C++

Python

ACHIEVEMENTS

Academic Excellence: (2023 -2025)

"Secured 1st rank in the Mechanical Engineering Department for both 1st and 2nd year, and 2nd rank in the 3rd year."

Technical Competitions: (May/2024 – Present)

"Secured 2nd place in CAD Master, 3rd place in Mr. Machinist, and 4th place in Apti-master competition"

Technical Events: (Present)

Actively participated in various technical events and workshops for skill development.

CERTIFICATE

Bajaj Manufacturing Systems (BMS) – Certification Program, Bajaj Auto Ltd. (2025)

Technical course & Technical Workshops Certifications: AutoCAD, CATIA, SAP MM

Programming Languages: C, C++, Python

Event Participation: (April/2023 – Present)

Received multiple certificates as a coordinator, volunteer, participant, winner, and runner-up in various technical events

INTERESTS:

Core Mechanical

Innovation & Research

Industrial Automation

Adventure

DECLARATION

I hereby declare that the information given above is correct to best of my knowledge and I take responsibility for the correctness for same.

DATE:-

PLACE:- Ashta, Sangli (Maharashtra)

YOURS FAITHFULLY

Mr. SUYASH SANTOSH KOLI