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## Education

**MIT MANIPAL** (2020-2024)

B.Tech

Automobile engineering (7.67 CGPA)

**JVM Shyamali** (2018-2020)

Intermediate

CBSE Board (76.8%)

**ST. THOMAS SCHOOL** (2007-2018)

Matriculation

ICSE Board (90.6%)

## Organisations

**Team Manipal Racing Electric**

VEHICLE DYNAMICS HEAD (2021-2022)

**SCHOOL VICE CAPTAIN** (2018-2019)

JVM Shyamali

## Skills

**Design Software -**

SolidWorks, Fusion 360, Ansys, Catia, AutoCAD, Wingeo, Slicer, Pontefrace

**Tools-**

SAP Software, MS Excel, MS Word, MS PowerPoint, Adobe Photoshop, Adobe Premiere Pro

**Manufacturing skills-**

Welding (TIG), Profiling, Milling & Lathe operations etc

**Soft skills-**

Teamwork, Creativity, Problem solving, Adaptability, communication

## Languages

- English(fluent)
- Hindi(fluent)

## Additional courses

- Introduction to programming in Python (Coursera)
- Algorithmic thinking I & II (Coursera)
- Principals of Computing I & II (Coursera)

# Suryansh Lal

I have a clear, logical mind with a practical approach to problem-solving and a drive to see things through to completion. I have a genuine interest in learning new skills

## Work experience

**Design Engineer**

(Oct 24- Present)

**Fracktal Works, Bangalore**

Design Engineer at Fracktal Works, a leader in industrial-grade 3D printing solutions, specializing in advanced additive manufacturing technologies.

- Working in R&D Dept. on developing new age machines like Clay extruder (3D clay printer)
- Pellet extruders Working on optimisation of existing machines to remove any flaws.

**Process innovation Intern**

( Jan 24- Sep 24)

**Gabriel India Ltd, Nashik**

Enrolled through the Anand Talent Acquisition Program (ATA). Under this program, Worked as process innovation Intern In the TSG (Technical Service Group) dept.

- Designed Tools and Fixtures, SOP preparation.
- Worked on setting up a new product line, which included layout designing, workflow setup, designing of fixtures, material handling trollies and stands.

## Internships

**Tata Motors, Jamshedpur**

(Dec 22- Jan 23)

**(R&D Department)**

Worked on reducing turn centre radius in trucks. Designed a five- stage reduction steering gearbox.

## Personal Projects

**Self-made 3d Printer**

- Cheaper than any printer available in market.
- Professional quality print and efficacy

**Designing own Suspension setup**

- A double wishbone setup designed for BAJA ATV.
- Includes KNUCKLE, HUB, ARMS etc.

**Designing own Steering setup**

- A completely inhouse designed rack& pinion for BAJA ATV.
- Includes Rack& pinion, tie rods, steering shaft, steering wheel etc.

## Achievements

- Won the first prize in safety quiz at Gabriel India Ltd, Nashik.
- Participated in BAJA SAE India 2022& 2023 and won several prizes.
- Participated in smart India hackathon 2022 and qualified for nationals