

# RAMAN BALIYAN

## Mechanical Engineer

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Rudrapur, Uttarakhand

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## SKILLS

CREO

Fusino 360

ANSYS

3D-Printing

Prototyping

Testing, Troubleshooting

FEA Structural Analysis

MAVproxy

RCA

CAPA

ArduPilot

LogAnalysis

Agile

DGCA Type Certification

Battery systems

Node.js

MERN-STACK

JAVASCRIPT

Arduino

## SOFT SKILLS

Logic building

keen learner

Team work

Proactive Mindset

Problem-solving

Research-oriented

analytical thinking

## LANGUAGES

Lang 1: English

Lang 2: Hindi

## ABOUT

*I'm a Mechanical Engineer with a strong interest in drone systems and technology development. Currently working as Head Engineer at a growing drone startup, I'm involved in design, testing, and improvement of drone systems while gaining hands-on experience in both engineering and operations. I have a curious and entrepreneurial mindset, eager to learn, take initiative, and contribute to building practical, innovative solutions. I believe in combining technical understanding with a problem-solving attitude to create meaningful and efficient outcomes.*

## WORK EXPERIENCE

### Head Engineer | AZANSYS TECHNOLOGIES LLP

Rudrapur, India

September 2023 – present

- Designed drone components, manufacturing fixtures, and production documentation (CAPA, QC checklists).
- Managed manufacturing processes, inventory, quality control, and wastage tracking.
- Coordinated with vendors for fabrication, procurement, and product pricing.
- Contributed to DGCA Type Certification for the company's agricultural drone.
- Field testing, flight data collection, and performance analysis.
- Built custom motor test bench and DIY battery packs for in-house testing.
- Researched new product concepts and process improvements for future development.

## CERTIFICATION

### DGCA-certified pilot Medium Class

Completed - Sept 2025

Dehradun

## ADDITIONAL EXPERIENCE

### Operations Assistant (Part-time) | Family Business

04 2018 – 12 2019

- Assisted in managing dealership operations across three locations during college.
- Improved workflow by identifying inefficiencies in spare parts management and invoice handling.
- Researched and implemented digital solutions to replace manual processes, resulting in smoother and more organized operations.

## EDUCATION

### B.Tech Mechanical | Dit University

Completed - July 2020

Dehradun

- CGPA: 5.5