

ROHAN SARASWAT

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ABOUT

Interested in Management & Entrepreneurship to implement ideas with feasible sustainability & business value.

EDUCATION

Indian Institute of Technology Roorkee, Uttarakhand, India
Bachelor of Technology in Mechanical Engineering

July 2016 - June 2020
CGPA: 8.4/10

D.A.V. Public School, Kota, Rajasthan, India
Senior Secondary Education

July 2014 - June 2016
CGPA: 9.0/10

PROFESSIONAL EXPERIENCES

System Architect | Climate Control Group
Jaguar Land Rover India Pvt. Ltd. | Automobile

Sept. 2020 – Oct. 2024

- As a System Architect at Jaguar Land Rover, supported the design & development of Electric Modular Architecture for Climate Team (2025+ Model Year vehicles) to deliver vehicle efficiency & performance targets in constraint costs.
- Led the Alternative Refrigerant Technology development project in Climate team for 2029+ JLR cars. Successfully delivered Product Roadmap, Supplier Strategy, Concept Testing and Quality workstreams of the project in initial phase.
- Led the initiative of developing Indian arm of Climate UK team to diversify operations & deliver lower cost quality advanced technology. Enabled by creating domain capability through recruitment & collaborating with suppliers-academia base in India.

On-Site Test Engineer | Climate & Efficiency Group
Jaguar Land Rover Gaydon, United Kingdom | Automobile

March 2022 – Sept. 2022

- As the project lead, shifted to UK for 6 months for the testing phase of Alternative refrigerant project.
- Delivered the concept project end-to-end from ideation, scoping, resource allocation, supplier management, benchmarking, testing, data post-processing & results report-out to quantify the gains of new system compared with existing systems.
- Along with professional experience gained by working with UK team & European suppliers, working in United Kingdom gave an exposure to varied culture and an opportunity to meet people with diverse backgrounds.

Internship | Department of Biomechanical Engineering
University of Malaya, Kuala Lumpur, Malaysia

June 2019 - July 2019

- As an Intern under Dr. Liew Yin Min, worked on implementation of mechanical 3D tools to improve disease diagnosis accuracy.
- Developed MATLAB script to convert multiple 2D scans of human heart into 3D models which contributed in measuring of parameters such as thickness, stresses etc. in segments of the heart required for diagnosis.

PROJECTS

Marketing Research Case Study – Bansal Classes Enterprise (Team Lead)

[\[Report\]](#)

Supervisor: Dr. Jogendra Nayak | Management Studies, IIT Roorkee

July 2018 – Dec. 2018

- Lead a team of 5 members in a case study about journey of Bansal Classes enterprise in IIT Entrance coaching market.
- Collated information from online articles, newspapers, interviews of students from Bansal Classes for laying base of the study. Created an exploratory research-based survey and received 170+ responses to understand parameters in coaching market segment.
- To understand impact of each of the parameters, used Chi-Square Independence test to conclude their association to coaching institute, followed by data analysis to report out our findings in the case study.

Rebar Counting Challenge (Team Lead)

[\[Video\]](#)

Supervisor: Dr. Shailesh Ganpule | IIT Roorkee

July 2017 – Dec. 2017

- In a Tata Innoverse industry challenge, led a team of 5 to solve the problem statement - Counting of reinforced bars at production factory.
- Created a Mechanical and Image processing-based solution which improved the accuracy of rebar counting from 90% to 95%.
- A working prototype was built as a proof of concept. The solution was accepted and appreciated by Tata Innoverse team.

Mechanical & Control Design with fabrication of Human Assisting Droid (Team Lead)

Supervisor: Prof. SP Harsha | Bachelor's Thesis Project IIT Roorkee

July 2019 – May 2020

- The objective of this project was to bridge the gap between robotics and its use in day-to-day life.
- The team designed a modular dual robot system with one dynamic robot which integrates into a stationary robot. The control system was semi-autonomous and based on user input through a designed mobile app.
- The team delivered the first working prototype which was appreciated for its design and functionality.

Team Knox | BAJA SAE

[Video]

Braking System (Team Lead) | IIT Roorkee Collegiate Team

July 2018 – Feb. 2020

- Part of the student team representing the institute at national level competition - BAJA for All-Terrain Vehicles design.
- The team works collaboratively to build a car from scratch to compete in BAJA. As braking head, led the design and fabrication of disc braking system as per the constraints of the rulebook, vehicle requirements and performed vigorous tests for failure.
- The system was designed for clearing wheels locking test in at 3 Day BAJA event. The fabricated system was robust and cleared all the tests as intended in the first run.

KEY SKILLS

Professional Skills: Project Management, Agile Methodology, Leadership

Software/Tools: C/C++, JAVA, Python, Kotlin, JIRA, MS Office, Figma, Android Studio

KEY COURSES UNDERTAKEN

Professional/Academic: Product and Process Optimization, Economics, Marketing Research, Agile - Scrum Master

EXTRA CURRICULARS

National Social Service, NSS IITR

July 2016 - July 2018

Government of India

- Received certificate of appreciation and named 'Dedicated volunteer' of NSS for social contribution.
- The efforts included teaching under-privileged students and organizing events for them to make education more fun.
- Created awareness for literacy and its importance in rural regions peripheral to the university.

Student Mentorship Program

July 2018 - June 2019

Indian Institute of Technology Roorkee

- Guided and supported a group of 8 juniors in their initial college journey through the student mentorship program.
- The mentorship involved understanding both academic and personal issues at college and helping them resolve for a better graduation experience.

AWARDS AND ACHIEVEMENTS

- Became National Talent Search Examination (**NTSE**) scholar in 2012 (1000 selected out of 1 million applicants).
- Qualified **KVPY** exam with All India Rank - **723** (Out of 150,000) in 2015, conducted by IISc Bengaluru.
- Qualified **Joint Entrance Exam (JEE) - Advanced** 2016 with **All India Rank - 1988** (Out of 200,000) conducted jointly by the IIT's.
- Qualified **Common Aptitude Test 2021** with a percentile of **99.60**, conducted by IIMs for management.
- Received a score of **740/800** in **GMAT exam in 2023**, an exam conducted worldwide by MBA.com.