

Yuvraj Adwal

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OBJECTIVE:

Aspiring mechanical engineer seeking an entry-level position to apply academic knowledge in engineering, coupled with hands-on experience in simulation tools, to contribute effectively to dynamic projects and foster professional growth.

PROFESSIONAL QUALIFICATION

National Institute of Technology, Uttarakhand	Srinagar, India
Bachelor of Technology in Mechanical Engineering	2020-2024

EDUCATIONAL QUALIFICATION

Anand Swaroop Arya Saraswati Vidya Mandir	Roorkee, India
Intermediate Percentage: 79.8	2018

WORK EXPERIENCE

Summer Intern	June 2022-July 2022
Bharat Heavy Electricals Limited, Ranipur, Haridwar	
<ul style="list-style-type: none">Got exposure of various machine tools used in the machining of different turbine module partsWent through the workflow in New Turbine Shop (Bay-3)Learned about the 5-S system used in Manufacturing Process	

TECHNICAL SKILLS

Software: AutoCAD, Solidworks, Ansys Fluent, Office Tools, VS Code, C++

PROJECTS

Research Project on Microwave Casting of Machined Metal Residual	Jan 2023- Present
<ul style="list-style-type: none">Developed apparatus to melt metal of melting point under 1200°C using microwave energy of domestic microwave oven using Ceramic fibre sheets and graphite moulds.Simulated the entire process of microwave processing using COMSOL Multiphysics	

COMPETITION

Think Tank Thermal Management System 2022 SAE INDIA	Aug 2022-Oct 2022
<ul style="list-style-type: none">Developed an innovative solution of Thermal Management System for Electric car cabin.Used ANSYS to simulate the environment inside the car cabin for the efficiency of the system.	

AUTONOM 2021	Sep 2021-Dec 2021
<ul style="list-style-type: none">Managed and prepared the presentation aspects of project work as a support member of the college team.	

EXTRA-CURRICULAR

- Represented college cricket team in Inter NIT Cricket Tournament 2023 held in SVNIT Surat
- Secured 1st position in Intra NIT Football Tournament 2022
- Secured 2nd position in Intra NIT Chess Tournament 2022 and was awarded as the best player of tournament among 6 others.