



PRATIK KHANDELWAL

Roll No.:224103219

M.tech - Mechanical Engineering(manufacturing)

Indian Institute Of Technology, Guwahati

+91-8637353679

pratikkhandelwal839@gmail.com

pratikkhandelwal555@gmail.com

linkedin.com/in/16b61a1a4

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.tech . Major	Indian Institute of Technology, Guwahati	8.71 (Current)	2022-Present
B.Tech	vellore institute of Technology,vellore	8.3	2017-2021
Senior Secondary	CBSE Board	73.8%	2016
Secondary	CBSE Board	85.5%	2014

EXPERIENCE

- **TATA MOTORS** june 2019 - Jul. 2019
Mechanical quality engineer Intern Jamshedpur
 - finding out the most occuring defects in different models of TATA trucks and reasons
 - frequency of defects and making pareto chart and suggestion method to reduce defects
- **Simulation Lab** june. 2021 - august. 2021
CAE engineer in product development Center pune, India
 - Battery Thermal Management System using Nanofluids in EVs
 - computational analysis approach to characterize the temperature distribution and pressure drop using nanofluids flowing in the corrugated mini-channel of the EV battery cooling module

PROJECTS

- **B.tech final year project** Nov. 2020 - mar. 2021
Professors Name/Event Name/Club Name
 - * studying and analyzing the mechanical and tribological properties of High Entropy alloy project 2
 - mechanical properties of the product obtained from sand casting using different additives
- project 3
- Manufacturing a prototype of Robotic Arm using CNC milling and 3D printing.

TECHNICAL SKILLS

- **Programming:** Python,CSS,HTML,SQL,Soft-Computing
- **Category core:** Ansys,Solidworks,Powermill * Elementary proficiency

CERTIFICATES

- **Course Category :** lean six sigma certification, Materials behaviour, Introduction to numerical method using python,power of macro-economics

COCURRICULAR ACTIVITIES

- **member**,Sports for healthy life Apr. 2018 - Apr. 2019
- Technical Team member**,Research and Industrial Conclave(IIT Guwahati),2023 march.2023-