



AJAY KUMAR THAKUR

B.Tech. - Mechanical Engineering

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BRIEF SUMMARY

Fresher with B.Tech in Mechanical Engineering with expertise in mechanical design and software development. Proficient in AutoCAD and SolidWorks for engineering design, as well as HTML, CSS, Javascript with projects like Spotify Clone, Simon Say Game.

KEY EXPERTISE

HTML CSS Javascript MySQL AutoCAD SolidWorks DSA Java Microsoft Office

EDUCATION

Haldia Institute Of Technology B.Tech. - Mechanical Engineering CGPA: 7.81 / 10	2022 - 2026
Jasidih Public School, Deoghar 12 th CBSE Percentage: 65.80 / 100	2021
Jasidih Public School, Deoghar 10 th CBSE Percentage: 76.60 / 100	2019

INTERNSHIPS

East Central Railway Manufacturing / Core Intern 10 Jul, 2024 - 07 Aug, 2024 Key Skills: Arc Welding Welding Brake System Lockbolting Maintenance Manufacturing Process Gained hands-on experience in the manufacturing and assembly of BOXNHL wagons. Collaborated with a multidisciplinary team to execute welding, lockbolting, and wagon assembly tasks efficiently.

PROJECTS

Modeling and Optimization of Production Processes Mentor: Dr. Abhijit Saha Team Size: 6 Key Skills: 3D Printing 3D Modeling Optimization Load Testing Mechanical Testing The project, Modeling and Optimization of Production Processes, involved using 3D printing to create a specimen and testing its mechanical properties using a Universal Testing Machine (UTM). We evaluated the specimen's stress, strength, and other mechanical characteristics. Based on UTM results, we optimized 3D printing parameters such as material, layer thickness, and infill density to improve the specimen's performance. A report was prepared outlining the optimization process and recommendations for enhancing 3D printed components.

POSITIONS OF RESPONSIBILITY

Event Coordinator at ME Club <ul style="list-style-type: none">Successfully organized Mechnovate, a flagship event involving multiple activities such as art, creative writing, meaningful assembly, extempore, etc.Guided and managed 5 teams each team having at least 4 members to ensure smooth execution, collaboration, and effective time management.
Treasurer at Team Manab Racing <ul style="list-style-type: none">Managed the annual budget of the Formula Student team, ensuring efficient allocation of funds for materials, manufacturing, and competition expenses..Prepared detailed financial reports and presented them during team meetings.

EXTRA CURRICULAR ACTIVITIES

- Sports

PERSONAL INTERESTS / HOBBIES

- Cricket, Programming, Gaming, Weightlifting.

IMs

- WhatsApp - <https://wa.me/8235036390>

PERSONAL DETAILS

Gender: Male	Date of Birth: 14 Aug, 2003
Marital Status: Single	Known Languages: Hindi, English
Current Address: Plot no.277, Boutique Building, Hemanti Block, Kshudiram Nagar, Haldia, Purba Medinipur, West Bengal - 721657, Haldia, West Bengal, India - 721657	Permanent Address: Urmila Sadan, Beside Gyandeep Public School, Koriyasa, Satsang, Deoghar, Jharkhand - 814116, Deoghar, Jharkhand, India - 814116
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