

## **Kumar Dhananjay**

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### **ABOUT ME**

I am a hardworking and honest individual. I am a good timekeeper and always eager to learn new skills. I am friendly, helpful, and polite, with a positive attitude and a good sense of humour. I work well under pressure, manage my time effectively, and adapt quickly to new situations. I can work independently in busy environments and thrive in a team setting. I am passionate about mechanical engineering and take pride in seeing my designs and ideas come to life through hands-on work. I am motivated by challenges and consistently aim to improve both my technical abilities and soft skills. I believe in continuous learning and always give my best in everything I do.

### **OBJECTIVE**

4th-year Mechanical Engineering student at Roorkee Institute of Technology with skills in CAD modelling, embedded systems and hands-on project experience. I am seeking for a position to apply and enhance my technical and analytical skills.

### **EDUCATIONAL QUALIFICATION**

- Pursuing B.Tech in Mechanical Engineering from Roorkee Institute of Technology, Roorkee
- 12<sup>th</sup> from T.P.S. College, Patna in 2019 with 56.4%
- 10<sup>th</sup> from Government High school, Triveniganj in 2017 with 61.2%

### **TECHNICAL SKILLS**

SolidWorks, Fusion 360, C++, Arduino, Raspberry pi (basic)

### **PROJECTS COMPLETED**

- Drone Payload Delivery Mechanism
- Portable ECG Device
- Wheelchair EEG device
- Multipurpose CNC machine

### **INTERNSHIP/WORKSHOP/SEMINAR/SHORT TERM TRAINING PROGRAM**

- Completed one month internship involving hands-on mechanical engineering applications and research exposure on **drone payload delivery mechanisms** in **IIT Mandi** from 28.06.24 to 25.07.24.
- Participated in **Design and deploy Machine Learning & Deep learning for engineering and science by Mathwork** during cognizance 2023 in **IIT, Roorkee** on 12.11.2022.
- Completed **C test** organized by Spoken Tutorial - **IIT, Bombay** in Roorkee Institute of Technology on 31.05.23.
- Completed 14 days of SolidWorks training organised by **CADD CENTRE, Chennai** in Roorkee Institute of Technology from 01.04.24 to 14.04.24.

## **ACHIEVEMENT**

- Second prize winner for portable **ECG device** project in TECHNOMAX 2024 (Technical Project Competition) at Roorkee Institute of Technology on 16.05.24.
- Research paper, “NeuroSports: EEG-Based Brain State Monitoring and Training device”, selected in 4<sup>th</sup> International Conference on Sports Engineering (ICSE25B004) on Transforming sports performance through Engineering and Innovation with abstract ID ICSE25B004 being organised by Sports Engineering Association (BITS, Pilani) to be held on October 10-12, 2025.

## **REFERENCES**

- Mr. Pankaj Singh, HOD, Roorkee Institute of Technology, Roorkee (7055106024)
- Mr. Narender Bansal, Professor, Roorkee Institute of Technology, Roorkee (9812441263)

## **PERSONAL DETAILS**

Date of birth : 16 Aug 2000  
Height : 182 cm  
Marital status : Unmarried  
Hobbies : Writing Poetry or Music, Singing, Learning New things (AI)  
Strength : Sincere, Hardworking & Punctual

## **FAMILY BACKGROUND**

- Father's name: Mr. Mantu Bihari Sah (Farmer)
- Mother's name: Ms. Kumari Chitrangada (ASHA Facilitator)

## **DECLARATION**

I hereby declare that all the information provided by me is correct to the best of my knowledge.

Date: 14 May 2025

Place: Roorkee

(Kumar Dhananjay)