SHIVAM UNDARE

MECHANICAL ENGINEERING (int. MTech 5yr) & Economics(minor)

(Course: Manufacturing Science and Engineering with

Industrial Systems Engineering and Management)

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ACADEMIC INFORMATION

Year	Degree/Exam	Institute	CGPA/Marks
2026 (ongoing)	Int. MTech	IIT Kharagpur	7.52/10
2021	Class XII-CBSE	Lal Bahadur Shastri SR. SEC. school, Kota (Rajasthan)	91%
2019	Class X-CBSE	NBFS, Shevgaon (Maharashtra)	95%

AWARDS AND ACHIEVEMENTS

- Secured **All India Rank 6331** in JEE Advanced 2021 among the top 2.5 lakh top candidates selected through JEE Mains 2021.
- Secured silver medal in NCC Combined Annual Training Camp-2022 at IIT Kharagpur.

PROJECTS

Open IIT product design:

- The idea is a product design of a headwear, which comprises of a camera and a Raspberry Pi module on the backend, which captures sign language and converts it into text/audio.
- This helps mute people who does not know sign language.
- It also helps to make the communication between differently abled people and others smoother.

DIY Project:

- Computer Vision Based: System that will track the motion of a moving object, and a signal will be given when the object crosses the line.
- This System that does not rely on cameras, instead using a magnetic field to track the ball.
- A sensor is embedded inside the ball, which detects the magnetic field produced by thin wires run underneath the penalty box.
- A computer tracks the position of the ball via the sensor and detects when the ball crosses the goal line.

SKILLS

Learned through Finlatics:

- Financial Markets Experience Program Gold (FMEP Gold)
- Investment Banking Experience Program (IBEP Gold)

Editing: Google Doc, Google Sheet, Excel.

Finance: Reading P&L Statement, Balance Sheet, Cash Flow, Trading.

POSITIONS OF RESPONSIBILITY

Secretary Technology: Acharya Jagadish Chandra Bose Hall of Residence, IIT Kharagpur   **Oct 2022 – Present**

EXTRA-CURRICULAR ACTIVITIES

- Enrolled in NCC-EME at IIT Kharagpur.