



# Shobhit Kumar # 21JE0891

B.Tech – Electronics And Communication Engineering – IIT-ISM, Dhanbad

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## PROJECTS

### Agriverse (Team Project) [Tenure: April 2023]



[https://github.com/Sri8397/WebGrip\\_Hunters.git](https://github.com/Sri8397/WebGrip_Hunters.git)

- Designed and developed a web platform with a mission to establish a direct connection between farmers and larger markets, eliminating the reliance on intermediaries.
- Integrated a feature using ML to provide farmers with essential information on crop suitability based on soil health card data and their geographical location.
- Envisions enhancing farmers' livelihoods by fostering direct relationships with larger markets in buying as well as selling goods, thus empowering them to increase their income and quality of life.
- The website also incorporates an AI Chatbot that answers questions related to farming in both Hindi/English and was integrated using API.

### Arduino-Based Unmanned Railway Crossing Automation ( Solo Project) [Tenure: Sep 22'-Oct 22']

- Developed an innovative solution using Arduino Nano, motor driver, ultrasonic sensors, and fundamental Arduino programming to automate unmanned railway crossings in India.
- Utilized the Arduino Nano for precise control and monitoring of the system, ensuring safety and efficiency.
- Integrated ultrasonic sensors to detect approaching trains and trigger the automation process.
- This project contributes to the improvement of railway safety infrastructure in India, addressing critical concerns at unmanned railway crossings.

### Project Title: Personal Portfolio Website (Solo Project) [Tenure : May 2023]

- Created a dynamic online portfolio using React.js, presenting a cohesive web presence that encompasses my professional résumé, personal story, and highlighted projects.
- Presented comprehensive information about my educational background, offering context to my qualifications and journey.
- Included details about my family background, offering a glimpse into my personal life and values, making for a holistic representation of my identity and aspirations.

## EDUCATION

### Indian Institute of Technology (ISM), Dhanbad — Bachelor of Technology in Electronics and Communication Engineering

December 2021 - MAY 2025

### Jeewan Public School, Motihari , Bihar

12th - APRIL 2019 - APRIL 2020 - **80.4%**

10th - APRIL 2017- APRIL 2018 - **92.8%**

## SKILLS

Languages	C++, Javascript, C
Web Development	HTML, CSS, Javascript, Tailwind, React.js
Tools	Git , Github
Concepts	Data Structures and Algorithms, OS

## ACHIEVEMENTS

- Achieved a state rank of 6 and district rank of 2 in Hindustan Olympiad (2018)
- Was Captain of School Cricket team that won inter district Championship in consecutive years (2017) & (2018)
- Got 2<sup>nd</sup> rank in Codehunt organized during Hackfest IIT(ISM) 2022.

## POSITIONS OF RESPONSIBILITY

- Member at – Lights Camera ISM (Official Filmmaking Club of IIT-ISM)
- Coordinator at – Electronics club (IIT-ISM)
- Member at – Abhay Dramatics Club (IIT-ISM)

## EXTRACURRICULARS

- Volunteered as an Educator for Myra -Ek Pehel (The Organization gives free education to Under Privileged kids in Delhi NCR)
- Was the coordinator for Donation drive in schools organized by Help-Age India.