

# Manish Kumar Sah

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## EDUCATION

### Lovely Professional University

Bachelor of Technology - Computer Science and Engineering; CGPA: **8.04**

2023-2025

Jalandhar, Punjab

### Regional Secondary School

Higher Secondary Education (**Percentage: 87, JEE Mains 89 Percentile**)

2020-2022

Madhubani, Bihar

## EXPERIENCE

### IIT Kharagpur Kshitij Maths Olympiad

January 2024

- The **Maths Olympiad** is one of the flagship competitions held as part of **Kshitij**, the annual techno-management fest of IIT Kharagpur.
- The Olympiad involves **multiple rounds** testing participants' mathematical problem-solving skills, logical reasoning, and analytical abilities.
- Earned a Certificate of Participation.

## PROJECTS

### Plant Disease Classifier | Data Science & Machine Learning, Python

- Developed a machine learning-based system to detect diseases in potato crops and utilized AI to suggest short-term solutions, enhancing agricultural efficiency.
- Customized a machine learning model for potato crops, achieving an **87%** prediction accuracy rate.
- Presented this innovative tool at the **Smart India Hackathon**, where it was recognized and awarded for its contribution to the vision of an **'Innovating India'**.

### Forbes Billionaires Data Analysis | Data Science, Excel

- Utilized a Kaggle dataset of **31,733** entries to conduct an extensive analysis of global billionaire wealth trends, providing key insights to understand wealth distribution and economic disparities across industries and countries from **2001 to 2023**.
- Designed an Excel dashboard featuring various graphs and visualizations after data cleaning, enabling users to explore the dynamics of wealth accumulation and gender disparities among billionaires

### Helping Hand Website | Front-end Development, HTML, CSS, JavaScript

- Engineered a user-friendly website for registering public and private complaints, aiming to improve issue resolution efficiency and user satisfaction.
- Utilized HTML and CSS to design an interactive layout and implemented JavaScript for user prompts.

### Dog and Image Classifier | Data Science & Machine Learning, Python

- Transformed a versatile image classification tool focusing on precise identification and categorization of various dog breeds using machine learning techniques.
- Trained machine learning models and tested the model's accuracy using more than **4** algorithms for refined accuracy, achieving an accuracy of **86.5%**.

## SKILLS

### Programming Languages:

C/C++, Java, Python

### ML Libraries:

NumPy, Pandas

### Cloud Tools:

Amazon Web Services

### Tools:

Git, GitHub, Docker, Tableau, R Studio, MS Excel

### Platforms:

Windows, MacOS

### Non-Technical Skills:

Adaptive Learner, Leadership Capability, Effective Communication

### Languages:

English, Hindi

## ACHIEVEMENTS

- 25<sup>th</sup> rank in Maths Olympiad held at IIT Kharagpur.
- 137 Badges and 25 Trophies on Microsoft Learn
- Recognized as Top Communication Voice in LinkedIn

## CERTIFICATIONS

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|---|----------------|
| Introduction to Hardware and Operating Systems – IBM (via Coursera) | September 2024 |
| The Bits and Bytes of Computer Networking – Google (via Coursera)   | September 2024 |
| Statistics 101 From IBM – Cognitive Class                           | November 2024  |