

# Tushar Mitra

+91 9709229224 • [tushar24.mitra@gmail.com](mailto:tushar24.mitra@gmail.com) • [Personal Website](#) • [Github](#) • [LinkedIn](#) • [LeetCode](#) • [HuggingFace](#)

## EDUCATION

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**Kalinga Institute of Industrial Technology**, Bhubaneswar, Odisha, India

*Bachelor of Technology in Computer Science and Engineering*

(2022-2026)

CGPA: 9.33

Coursework: Data Structures, Algorithms, Database Management System, Operating System, Computer Networks, Computer Organization & Architecture.

Activities: Participated in various events like Launchpad and Udghosh Quiz Competition organized by Qutopia, Hack-a-Bot organized by USC KIIT, Red Hat Academy Challenge by Coss India.

**Loyola High School**, Patna, Bihar, India

*Central Board of Secondary Education (CBSE)*

(2009-2021)

10<sup>th</sup> Score: 93.67%

12<sup>th</sup> Score: 91.8%

Activities: Scientia'17 Inter-School Quiz Competition Winner held at NIT Patna (2017), Inquizitive Minds Quiz Competition School Level National Finalists (2018), Inter-House Cricket Competition, Inter-Class Kabaddi Competition, Inter-Class Quiz Competition, Received Several Medals in SilverZone and SOF Olympiads including Zonal Rank 1 in National Cyber Olympiad (2014).

## WORK EXPERIENCE

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**AICTE-EduSkills Virtual Internship**

July 2024-August 2024

- Gained invaluable knowledge about Machine Learning and Deep Learning, but particularly focusing on Convolutional Neural Networks (CNN) and Object Detection using RCNN and YOLO.
- Learned how to classify objects into different groups and finding which group a new object belongs to, and later on checking the accuracy and loss of the trained model.

## PROJECTS

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**Diamond Price Prediction**

August 2024

- Used a dataset from Kaggle and trained the model using several machine learning regression algorithms.
- Performed data cleaning and visualization using Python libraries like numpy, pandas, matplotlib and seaborn.
- Used Streamlit library to run the model and host it on Streamlit Cloud.

## SKILLS

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**Languages**

C • Java • Python

**Specialization**

Machine Learning • Deep Learning • Object Detection • Computer Vision

**Development**

HTML • CSS • MySQL