

# Kartik Mittal

## B.Tech. | NIT Rourkela

Final Year, Civil Engg.

DOB: 19 April 2002

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## Education

2021-PRESENT

B.TECH, CIVIL ENGINEERING

NIT Rourkela

CGPA : 9.01/10

2021-PRESENT

B.S, DATA SCIENCE &  
PROGRAMMING

IIT MADRAS

CGPA : 7.53/10

MAY 2020

INTERMEDIATE

DAV School, Abohar

Percentage: 93.6%

MAY 2018

MATRICULATION

Assumption convent School, Abohar

Percentage: 91.8%

## Links

LeetCode:// [Kartik Mittal](#)

IIT MARAS:// [Kartik Mittal](#)

LinkedIn:// [Kartik Mittal](#)

## Skills

PROGRAMMING

C++, Python, SQL

LIBRARIES

OpenCv, NumPy, Pandas, Pillow,  
scikit, tensorflow

SOFTWARES

Matlab, Google colab, QGIS

LANGUAGES

English, Hindi, Punjabi

## Relevant Courses

Data Structures & Algorithms

Programming in python

Statistics

Tools in Data Science

Machine Learning Foundation

Machine Learning Practices

## Side Projects

JULY-2024

**Breast Cancer Classification**

Python, Colab

Breast Cancer classification using machine learning .Developed a machine learning model to classify breast cancer as benign or malignant based on clinical data.Utilized Python libraries such as scikit-learn, Pandas, and Matplotlib for data preprocessing,model building, and visualization.

JULY-2024

**GeoSpatial Analysis**

Python, QGIS

**Domino's vs Pizza Hut in Bengaluru** [Link](#)

Conducted a comparative geospatial analysis for Pizza Hut and Domino's to identify optimal locations for new stores in Bengaluru.Analyzed population data and store performance to pinpoint underperforming locations and areas with high potential for new outlets.

JAN-2024

**Vehicle Detection and Counting**

Python, OpenCv

A software to detect and count vehicles using OpenCV .Implemented background subtraction algorithms to identify moving vehicles.Achieved accurate real-time vehicle detection and counting, with applications in traffic monitoring and management.

MAY-2024

**Delivery Optimization**

Python, C++

Developed a delivery optimization software that calculates the most efficient route and estimated time for completing multiple deliveries. Implemented route optimization algorithms using mapping APIs. Designed an intuitive user interface for easy input of delivery locations.

## Achievements/Awards

MAY-2023

**Aws deepracer, IIT Madras**

Top 10

Developed and implemented a reinforcement learning model for an autonomous small race car, fine-tuned the model to handle various track conditions and obstacles, ensuring consistent and reliable performance.

JAN-2024

**FinBiz-The Ultimate Finance Case Study**

Finalist

As a team, we secured the top position among 300 teams that participated nationwide and formulated a viable solution for MDI Murshidabad's FinBiz event by thoroughly analyzing the provided case and offering effective resolutions

## Extra Curricular Activities

MAY-2018

**ATL lab, Dav School**

ATL

I have led a team of 5 members for creating a robotic Car with a brain at Atal tinkering Lab.Successfully managed the project, from ideation to execution.

MAY-2023

**Coordinator**

IITM-Paradox

Coordinator in the management team of the Saranda house for different Events at IIT-M Paradox fest.