# Maitreya Zalte

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## Education

**Indian Institute of Information Technology, Nagpur (IIITN)**
BTech, CSE
Jun 2024                              Nagpur, India

**KD College**
Higher Secondary(HSC)
Feb 2020                              Kalyan, India
73.38%

**Carmel Convent High School**
Schooling(SSC)
Mar 2018                              Badlapur, India
93.40%

## Projects

### GitHub  LICENSE PLATE DETECTION & NUMBER EXTRACTION
Machine Learning & Deep Learning Project
• Extracted characters from vehicle number plates.
• Used **Object Detection using contours, character segmentation and Image Recognition using Convolutional Neural Networks (CNN)**
• Libraries : tensorflow, keras, cv2, pandas, matplotlib - on Python

### GitHub  HAND GESTURE RECOGNITION
Computer Vision Project
• Google's Dino Game using **Real Time Hand Gesture Recognition**.
• Libraries : cv2, pyautogui, pandas, - on Python

### GitHub  EDA ON HOUSE PRICES ADVANCED REGRESSION TECHNIQUES DATASET
Exploratory Data Analysis
Exploratory Data Analysis : **Feature Engineering and Feature Selection including Visualization** on the House Prices - Advanced Regression Techniques Dataset

### GitHub  LIVE BITCOIN STREAMING
Live Bitcoin Streaming Using Python
This **business oriented project** uses Python and libraries like **pandas and mplfinance** to stream and plot live bitcoin **candlesticks** after every minute.

### GitHub  SALES INSIGHTS USING POWER BI
Power BI | Sales Insights Data Analysis
**Custom reports and dashboard** providing a comprehensive view of sales data of a company using Power BI, a leading business analytics tool.

## Skills

### PROGRAMMING LANGUAGES
•**Python (Numpy, Pandas, Matplotlib, Tensorflow, Keras, cv2)** •**C/C++**

### TECHNICAL
•**Data Science** •**Machine Learning** •**Deep Learning** •**Natural Language Processing ( NLP )** •**Computer Vision** •**Power BI** •**Data Cleaning** •**Extract Transform Load (ETL)** •**Data Analysis** •**Dashboard Building** •**Storytelling** •**Excel** •**Microsoft Powerpoint** •**DSA** •**Competitive Programming**

### NON-TECHNICAL
• Problem Solving  •Communication Skills  • Time Management  • Honest and hardworking  • Teamwork

## Coursework

•Machine Learning •Maths for Data Science •Neural Networks and Deep Learning (NNDL) •Natural Language Processing (NLP) •Data Structures and Algorithms (DSA) •Database Management System (DBMS) •Object Oriented Programming

## Roles of Responsibilities

### HEAD
Hindi RajBhasha Wing, IIITN
Aug 2021 – Aug 2022                  Nagpur, India
• **Organised Hindi Pakhwara** at IIITN in Aug 2021 commemorating **'Azadi Ka Amrit Mahotsav'** on the **directives of Govt. of India**.

### MENTOR PRESENTER
Dimensions(AR/VR, Game Dev Wing at IIITN)
• **Delivered small talk** on Object/Character Spawning and Image Tracking in **Unity Engine** using modules or **AR**.

### CONTENT HEAD
PROBE IIITN, Student Media Body at IIITN
Jan 2022 – Current                   Nagpur, India
• Lead a Content Team of about 10 people at Probe IIITN

## Other Achievements

At Institute :
•**Obtained MATLAB workshop certificate.**

At School :
• Highest in Maths (SSC Board)
• Rank 1 at SOF's International English Olympiad(Class 10) Round 1