

# Prasuk Jain

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## PROJECTS

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### Custom Object Detection and Identification using Deep learning ([Demo](#))

Apr 2023 – May 2023

- Developed a custom object detection web app using **YOLO v5**.
- Utilized **Streamlit** framework for building and deploying the web app.
- Trained the YOLO v5 model on custom object classes.

### MagicFace Webapp ([Code](#))

May 2023 – Present

- Independently developed "Magicface" project using **Flask** framework and **machine learning** algorithms.
- Implemented facial analysis features including gender detection, facial expression recognition, and age estimation.
- Utilized **computer vision** techniques to detect and classify various facial expressions such as happiness, sadness, anger, surprise, etc.
- Developed an age estimation module using machine learning algorithms to estimate the age range of individuals in images.
- Integrated real-time filter application functionality for image enhancement and modification.(Ongoing).

### Face Mask Removal Using Cycle GAN

June 2023 – Present

- Currently developing a face mask removal project using **Cycle GAN**, aiming to remove face masks from images for improved facial recognition accuracy
- Implementing Cycle GAN architecture to train models capable of generating realistic face images by removing masks.
- Independently developing the project, including data collection, model training, and evaluation, with the goal of creating a reliable face mask removal solution.

## EXPERIENCE

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### Persistent Systems

Trainee Intern

June 2023 – August 2023

### Xcelyst Ltd

AI Intern

August 2023 – Present

Developed a Hiring Solution using Cutting edge AI algorithms, where I developed a model to sort out suitable candidates according to Job Description.

## EDUCATION

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### Madhav Institute of Technology and Science, Gwalior

2020-2024

Bachelor of Technology, Artificial Intelligence and Robotics

Cumulative GPA: 3.46/4.0

Core Team Member of Robotics Club and Coding Club

## ADDITIONAL

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**Technical:** Python, Postgre SQL, Machine Learning, Scikit-learn, Scikit-Image, OpenCV, MLOps, Numpy, Pandas, Matplotlib, Seaborn, Flask, Streamlit, Tensorflow 2, Generative Adversarial Network.

**Languages:** Fluent in English.

**Extra :** Participated in Wittyhacks 3.0 organized by Datacode and Major League Hacking (MLH)

### Certifications & Training:

- Machine Learning for Earth Sciences by NPTEL
- Image Processing with Python by Datacamp
- Generative AI by Udemy
- Postgre SQL by Datacamp