

**Raj Kapadia**  
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[GitHub](#), [Fiverr](#), [Upwork](#), [Youtube](#)  
Python, NodeJS, Dialogflow, Tensorflow,  
PyTorch, GCP

**Lead AI & ML Developer at The Other Fruit with 5+ years of freelance experience in API development with Python+Flask and NodeJS+Express, AI/ML/DL project development in the field of Image classification, Object detection, Natural Language Processing, search engine development using Elastic, chat-bot development on Google Dialogflow ES/CX, part-time Youtuber.**

## EXPERIENCE

### 1. The Other Fruit

Lead AI & ML Developer, February-2022 to present

Development of different end to end AI/ML/DL products to better serve our customer base, I lead a small team of 3 developers as well.

### 2. Government Engineering College, Modasa, Gujarat

Assistant Professor, August-2016 to January-2022

Teaching students different subjects of Electrical Engineering and other tasks related to their development is the main task here, different technologies used in teaching are **MATLAB**, **C** for microcontroller programming.

### 3. Sankalchand Patel College of Engineering, Visnagar, Gujarat

Assistant Professor, August-2013 to July-2016

Teaching students different subjects of Electrical Engineering and other tasks related to their development is the main task here.

### 4. Torrent Pharmaceutical Ltd, Indrad, Mehsana

Executive Engineer, May-2010 to July-2011

HT & LT distribution and cable laying, installation of switchgears for protection, VFD installation, etc.

## PROJECTS

1. Developed an end to end solution for Object detection, the main functionalities of this project are, to train a model using Tensorflow, evaluate the model, save the model, and finally load the model and served it using Python+Flask API endpoint. [Independent]
2. A Face recognition application as a biometric authentication, the main functionalities of this project are, registering a user, and authenticate the user, this application uses a deep learning library called “dlib”, and finally, this application is served using Python+Flask API endpoint. [The Other Fruit, lead the team of 3 developers]
3. Developed an image similarity search engine, the main functionalities of this project are, inserting new images into the search engine, searching for a similar image, generating a comparative image when a similar image found, crone jobs to scrape images from multiple image sources and to insert new images into the search engine. The technologies used are Python, Tensorflow, Elastic, OpenCV, this application is served using a Python+Flask API end-points. [The Other Fruit, lead the team of 3 developers]
4. Developed an image search based on tags associated with images, technologies used are Python, Elastic, and Flask. [The Other Fruit, lead the team of 3 developers]
5. Development of voice as a password for two factor authentication, facility to enrol a user, and verify a user, developed with Python, Elastic, served using a Python+Flask APIs. [The Other Fruit, lead the team of 3 developers]
6. Developed a toxic comment classifier, the technologies used are Python, Pytorch, served with Python+Flask APIs. [The Other Fruit, lead the team of 3 developers]

7. I have 3 years of experience with Google DialogFlow and Actions on Google, I have a [Fiverr](#) and [Upwork](#) seller account where I have built 100+ Google Dialogflow Chatbots to customers. I use NodeJS and Python as a backend to these chatbots.
8. I have a Youtube channel where I upload videos on different subjects related to Google Dialogflow, Machine Learning, Elasticsearch, etc.

## **EDUCATION**

1. **Sankalchand Patel College of Engineering, Visnagar, Gujarat**  
Master of Engineering with specialization in Power System, 2011-2013, CPI – 8.3
2. **Global Institute of Technology, Jaipur, Rajasthan**  
Bachelor of Engineering in Electrical Engineering, 2006-2009, 67%