

# PRAKASH S

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Experienced software engineer with more than a year of experience in computer vision and Have a solid foundation in coding, testing, code reviews, and other software engineering practices. Capable of learning new software quickly and providing valuable support when working with a team.

## WORK EXPERIENCE

### On a Break

09/2020 – Present

- I took time off after my layoff due to Covid19 to care for my ill father, who has now recovered fully.

### Software Engineer

02/2020 – 08/2020

GKFit, Chennai, IN

- Built Rest APIs for model predictions that can handle up to 3000 QPS using TF serving(TensorFlow).
- Implemented Image Processing Algorithm for food calorie estimation within the Main Product using Python and Keras.
- Built several microservices for the main product using Gcloud, Python and MongoDB.

### Computer Vision Engineer

06/2019 – 01/2020

BigThinX, Bangalore, IN

- Developed deep learning models for computer vision tasks such as object detection and pose estimation.
- Proposed and Implemented the process-based parallelism, which reduced the latency of the Production server by 60% from 10s to 4s.
- Created GPU accelerated custom Docker images for production use.

### Software Engineer/ CoFounder

04/2018 – 03/2019

ClothX, Tamil Nadu, IN

- Co-Founded the software company during the last year of my university degree.
- Designed, Developed and Productionised the backend for the Product using Nodejs and Python.
- Implemented image search within the main product using K-nearest neighbour and Convolutional Neural network.

## EDUCATION

- BE. Mechatronics** Anna University, Tamil Nadu, India **GPA: 3.49, First Class** 2015–2019

## SKILLS & OTHERS

- Programming Languages: Python, C++, JavaScript, SQL
- Frameworks & libraries: Nodejs, TensorFlow, Flask, Keras, OpenCV, ReactJs
- Competitive Programming: [codechef.com/users/prakash1729brt](https://www.codechef.com/users/prakash1729brt) (**3 stars**), [leetcode.com/prakashsellathurai](https://leetcode.com/prakashsellathurai)
- Technologies & Tools: Docker, MySQL, MongoDB, Data structures and algorithms, Computer Vision

## PROJECTS

**Fashion Image Recommender** - Fashion Image Recommendation system via similarity retrieval through deep learning deployable in Gcloud, see the source on [Github](#).

**Pyqoi** - PyQoi is a python library for Encoding/Decoding the images in "Quite OK Image" (qoi) format for fast, lossless image compression, see the source in [Github](#).