

# PRAKASH S

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## WORK EXPERIENCE

### Software Engineer

02/2020 – 08/2020

GKFit

Chennai, TamilNadu, India

- Designed and Implemented Rest API for Deep Learning model Inference with network throughput up to 3000 requests per second using C++, TensorFlow and gRPC.
- Developed backend microservice for Internal custom dataset management tool using Flask and MongoDB, deployed on Gcloud.
- Wrote test suites and set up CI/CD pipeline for the software release cycle and exceeded requirements in every stage.
- Authored development progress reports informing internal personnel and external stakeholders of project milestones.

### Computer Vision Engineer

06/2019 – 01/2020

Bigthinx

Bangalore, Karnataka, India

- Proposed and implemented process-based parallelism written in Python, which reduced the Image Processing server's latency by 60%.
- Implemented ML (Machine Learning) detectors using C++ and deployed them on edge devices.
- Researched and prototyped ML techniques/algorithms for object detection and recognition.

### Software Engineer/ Cofounder

04/2018 – 03/2019

ClothX

Coimbatore, Tamil Nadu, India

- Co-founded the software company during my last year of university.
- Developed and Deployed the entire backend for the eCommerce website using Nodejs and Python.

## EDUCATION

### Bachelor of Engineering in Mechatronics

04/2015 – 04/2019

Anna University

Coimbatore, Tamil Nadu, India

## PROJECTS

- **Keras** Contributed a dataset splitting utility feature to Keras, a Deep Learning API built on top of Google's Tensorflow and used by over 1 million users in the tech industry and research community.
- **DeFIR** Image Retrieval System to find similar images based on their content using the Nearest Neighbor Search Algorithm and Deep Learning.
- **Pyqoi** A library to support the "Quite OK Image" file format in Python, which implements a faster and more efficient lossless compression algorithm than other Image formats.

## SKILLS

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