PRAKASH S

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WORK EXPERIENCE

Software Engineer   **02/2020 – 08/2020**

GKFit**,** Chennai, IN

- Built a high-performance Rest API for model predictions that can handle up to 3000 Queries per second by using TF (TensorFlow) serving.
- Developed a computer vision algorithm for estimating food calories from images using machine learning.
- Implemented a backend microservice using Gcloud, Python, and MongoDB.

Computer Vision Engineer   **06/2019 – 01/2020**

BigThinX, Bangalore, IN

- Proposed and implemented process-based parallelism, which reduced the Image Processing server's latency by 60%.
- Developed GPU-accelerated Docker images to be used in production that enabled on-demand server scaling, thereby reducing the overall cost of the servers.
- Researched and prototyped techniques/algorithms for object detection and recognition

Software Engineer/ Cofounder   **04/2018 – 03/2019**

ClothX, Tamil Nadu, IN

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

EDUCATION

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

PROJECTS

Keras - Contributed a dataset splitting utility feature to Keras, a Deep Learning API used by over 1 million users in the tech industry and research community. source: GitHub.

Image Recommender - Created a software system that uses deep learning to recommend and search images from text prompts. source: GitHub.

Pyqoi - Developed a library to support the "Quite OK Image" file format, which implements a faster and more efficient lossless compression algorithm than other formats. source: GitHub.

SKILLS & OTHERS

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