

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 Python, 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 application production release 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%.
- Developed GPU-accelerated Docker images used in production that enabled on-demand server scaling, thereby reducing the overall cost of the servers.
- Researched and prototyped ML (Machine Learning) 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.
- **Pygoi** 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 (3 stars), leetcode.com/prakashsellathurai