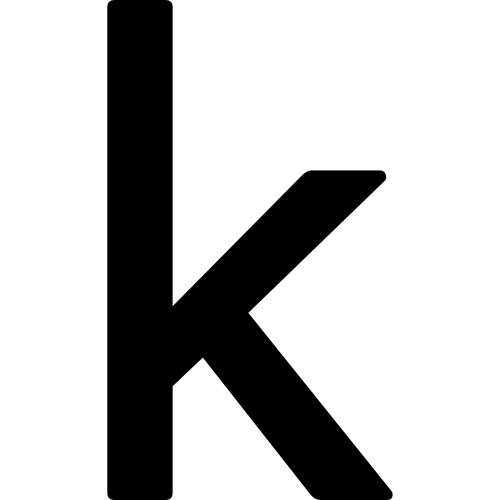
Manu Hegde

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****Experience

2019-01 2019-05 **Deep Learning Intern** Bengaluru, India

Tika Data

* [](https://github.com/manuhg/class_snap) Built tool to extract frames at regular intervals, containing one or more objects specified.
* [](https://github.com/manuhg/facegen) Built tool to generate new faces based on a given set of faces using Style GAN.

2018-06 2018-08 **Front End Developer (ReactJS)** Bengaluru, India

Shramajeevi

* Built [agdial.in](https://agdial.in/), a serverless, responsive web app in ReactJS with Firebase backend.
* Redesigned [shramajeevi.com](https://shramajeevi.com/) into a react web app.

2017-06 2017-08 **Software Engineering Intern** Bengaluru, India

Radiant Data Systems

* Developed firmware for custom fabricated a device running ATmega1280 that displays inventory statistics, receiving information from a desktop via USB or Bluetooth connection
* The firmware was written in C and the Desktop Application in Microsoft Visual C++.

****Projects

2019-03 2019-04 **Document Summarization**

* [](https://github.com/manuhg/saaramsha) [Saaramsha](https://github.com/manuhg/saaramsha) - Document summarization using Skipthought encoder, T-SNE, KMeans. Hosted at [tldr.cool](https://tldr.cool)

2018-02 2018-04 **File sorting using unsupervised machine learning**

* [fsort](https://github.com/manuhg/fsort)​ - ui in QT5 C++ and [libfsort​](https://github.com/manuhg/libfsort) - backend library with Caffe 1.0 C++.
* Desktop Application to segregate Image files based on its content and colour distribution using inception-v2 as feature extractor and T-SNE for clustering.

2012-01 2012-07 **X86 Kernel Development**

* [manuos](https://github.com/manuhg/manuos)​ - A very basic 32 bit Operating System Kernel written from scratch in C and assembly.

****Education

2015-08 2019-06 **Dr. Ambedkar Institute of Technology** Bengaluru, India

* B.E in Computer Science & Engineering
* CGPA - 8.2, Languages: C, C++, java, Clojure, Python, Javascript.
* Frameworks: Pytorch 1.0, ReactJs Tools: git, emacs

****ML & AI Courses

* External Internship Program - Offline - Machine Learning & AI Foundation, Bengaluru
* Trained CNN on MNIST dataset to reach 99.2 validation accuracy in less than 18k parameters.
* Trained [DenseNet](https://arxiv.org/abs/1608.06993) model with less than 1M parameters to reach 92% validation accuracy in 160 epochs.
* Machine Learning by Andrew Ng on Coursera, padhAI Deep Learning by OneFourthLabs
* Stanford CS224n, CS231n on Youtube, Deep Learning CS7015 by IIT Madras(nptel.ac.in),

****Other Skills & Interests

* 2D animation & Image manipulation in Adobe Photoshop
* Volunteering Experiences: MakerFaire Bengaluru 2017, Hasgeek 50p ‘18, rootconf ‘18, Fifth Elephant ‘18