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| PROJECTSDeep Learning using Keras on Tensorflow November 2018  Built models yielding over 99.27 validation accuracy in less than  20,000 parameters in 20 epochs.  Built DenseNet models implementing [DenseNet](https://arxiv.org/pdf/1608.06993.pdf).  92% validation accuracy on CIFAR-10, 60 epochs, 927k parameters. File sorting using unsupervised machine learning April 2018  [github.com/manuhg/fsort](https://github.com/manuhg/fsort) -implementation with ui in QT5 C++  [github.com/manuhg/libfsort](https://github.com/manuhg/libfsort) - backend library with Caffe 1.0 C++    Linux Desktop Application to segregate Image files based on its  content/colour distribution etc. using T-SNE Radiant Data Systems March 2017 - June 2017  * Embedded development on ATmega1280 * Desktop development with Microsoft Visual C++ with .NET.   Windows Desktop Application and its firmware counterpart for a  custom device to display information, for BPCL  Firmware written in C and Desktop Application in Visual C++ **X86 Kernel Development** January 2012 - July 2012 [github.com/manuhg/ManuOS](https://github.com/manuhg/ManuOS)  [sourceforge.net/projects/manuos](https://sourceforge.net/projects/manuos)  My own 32 bit Operating System Kernel written from scratch in  x86 assembly and C, with very basic abilities Websites developed React SPA with Firebase backend- [agdial.in](https://agdial.in), Regular Websites with HTML & CSS -  [shramajeevi.com](https://shramajeevi.com/), [gametseeds.com](https://gametseeds.com), [shramajeewiki.com](http://shramajeewiki.com/) EDUCATIONDr. Ambedkar Institute of Technology, Bengaluru Bachelor of Computer Science & Engineering (2015 - 2019)- CGPA -8.1 PES PU College, Bengaluru — II PUC Passed with 85% , March 2015 Shree Bharathi Vidyalaya, Bengaluru —ICSE *X std* Passed with 87.9% , March 2013 | SKILLS **Programming/Scripting Languages:**  C, C++, java, Clojure, Python, Javascript, HTML & CSS  **Frameworks/Libraries**:  Reactjs, Bootstrap  **Database**: MYSQL, Firestore  **Tools:**  Emacs, Git, Nginx, Apache, Linux OTHER ACTIVITIES   **Organiser for**  **Dr.AIT Mega Summit 2017**  30th March  **Maker Faire Bengaluru 2017**  17th and 18th Nov  **Volunteer for**  **HasGeek 50p ‘18,**  **Rootconf ‘18, AntHill Inside ‘18 and Fifth Elephant ‘18, JsFoo ‘18, Meta Refresh ‘18** |