

Manu Hegde

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PROJECTS

X86 Kernel Development

January 2012 - July 2012

github.com/manuhg/ManuOS

sourceforge.net/projects/manuos

My own 32 bit Operating System Kernel written from scratch in x86 assembly and C, with very basic abilities

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++

File sorting using unsupervised machine learning

April 2018

github.com/manuhg/fsort - implementation with ui in QT5 C++

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.

Deep 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](#).

92% validation accuracy on CIFAR-10, 60 epochs, 927k parameters.

Websites developed

React SPA with Firebase backend- agdial.in - July 2018,

Regular Websites with HTML & CSS -

shramajeewi.com, gametseeds.com, shramajeewiki.com

EDUCATION

Dr. 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