

# Manu Hegde

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## PROJECTS

### 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

### 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](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.

### Websites developed

React SPA with Firebase backend- [agdial.in](http://agdial.in) - July 2018,

Regular Websites with HTML & CSS

[sumaagrotech.com](http://sumaagrotech.com) - September 2017, [shramajeewiki.com](http://shramajeewiki.com) - June 2015,

[shramajeeviimages.com](http://shramajeeviimages.com) - May 2012

## EDUCATION

### Dr. Ambedkar Institute of Technology, Bengaluru

Bachelor of Computer Science & Engineering  
August 2015 - August 2019, Current 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, php, javascript, HTML & CSS

#### Frameworks/Libraries:

Reactjs, Bootstrap

**Database:** MYSQL, firestore

#### Tools:

emacs, git, nginx, apache, Linux cli

## OTHER ACTIVITIES

### Organiser for

**Dr.AIT Mega Summit 2017**

30<sup>th</sup> March

**Maker Faire Bengaluru 2017**

17<sup>th</sup> and 18<sup>th</sup> Nov

### Volunteer for

**HasGeek 50p '18, Rootconf**

**'18, AntHill Inside '18 and**

**Fifth Elephant '18**