Manu Suryavansh

(450 N Mathilda Ave, Sunnyvale, CA-94085)- (5202452140) suryavanshi.manu@gmail.com
H1B Visa (Valid till Oct 2016)

Master of Science in Electrical Engineering,
GPA 3.62/4, Dec 2007, University of Florida**,** Gainesville, Florida
Courses – Digital Signal Processing

Bachelor of Technology in Information and Communication Technology
GPA 3.85/4.0, May 2006, DA-IICT, Gandhinagar, Gujarat, India
Courses – Object oriented programming, Algorithms and Data Structures, Digital Signal Processing.

BlockChain University – 8 Weeks course in Block chain technology
Project Portfolio - http://suryavanshi.github.io/
Codeeval Programming problems (Top 10%) - http://www.codeeval.com/profile/suryavanshi/
Github – https://github.com/suryavanshi
Kaggle (Top 1%) - http://www.kaggle.com/users/61163/surya

Recent Courses/Training - https://sites.google.com/site/suryavanshimanu/online_edu
Udacity CS101 - How to make your own search Engine in Python
Udacity CS253 - Developing Web App using Google App Engine/Python (SHA, Memcache)
Udacity UD671 – Introduction to Hadoop and MapReduce using Hadoop Python streaming.
Udacity – Introduction to Data Science using Python
Udacity – Introduction to Salesforce App Development
Coursera – Machine Learning by Andrew Ng (used Octave)
Coursera – Android Programming

Recent Projects
Kaggle Dog-Cat – Trained a classifier on 1000's of pictures of cat/dog using Python/Scikit-Image
Hog features to classify unlabeled pictures - https://github.com/suryavanshi/Kaggle_Dog-Cat
Kaggle Stack-Exchange – Used PostgreSQL on 9GB of stack-exchange data and then trained 1000
classifiers to auto tag posts on stack-exchange, used Python, scikit-learn, NLTK.
Kaggle Sunny Weather – Used Python+NLTK Stemming, Stopwords and Scikit tf-idf .
Flashconf - Conference Scheduling Web App using Google App Engine and Java.
Chat Application – Simple chat application using node.js and deployed on Heroku.
Basic Search Engine in Python - https://github.com/suryavanshi/Python-Search
Simple wiki app using Python/Google App Engine - Authentication using cookies with SHA, uses
memcache- http://manudesign11.appspot.com

Work Experience
Sr. Hardware Engineer – St. Jude Medical (Dec 2013 – Present)
Simulation and debug of hardware using LTSpice. Modelling circuits in Python.
Design Engineer – Texas Instruments – (Jan 2008 - Nov 2013)
- Developing ATE solutions in C++ for high volume IC testing at worldwide ATE sites.
-Perform statistical data analysis to understand yield issues and improve quality using outlier
screening etc.
- Experience working with microcontrollers like MSP430, Cortex M4F.

Research Assistant, Dept. of Civil Engineering, University of Florida, Jan 2007 to Dec 2007
Design and implementation of IEEE 802.15.4/Zigbee based multihop wireless sensor network to
monitor pressure variations during a hurricane using TinyOS and Tmote.

Programming: C/C++, Python, JavaScript (Jquery/AngularJS), Google App Engine (Java/Python).