JOY TERENCE BARNES

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OBJECTIVE

To succeed in an environment of growth and excellence and earn a job which provides me job Satisfaction and self-development and help me achieve personal as well as organization goals.

EDUCATION

R.V. College of Engineering, India *August 2013-Exp.May 2017*
B.E in Computer Science and Engineering (Currently in 7th Semester)
Cumulative GPA: 9.12/10

St. Mary's PU College, India *May-2013*
Percentage: 92%

St. Mary's School, India *April-2011*
CGPA: 10

TECHNICAL STRENGTHS

Languages	C/C++, Python, PHP, JavaScript, CSS3, HTML5.
Tools	Codeblocks, Visual Studio, Vim, Sublime Text.
Platforms	Linux (Ubuntu 15.10), Windows.
Web	MySQL, Bootstrap.
Other	STL, OpenMP.

PROJECTS

- **Opinion Mining**
  Designed a system to analyze real time tweets to generate the sentiment of a given product among its users. This was implemented in Python using the Tweepy package to obtain real time test tweets for a given query and NLTK package for generating the sentiment of the test tweets.
- **Medicine Equipment Database** *Database Management Systems Lab, 5th Semester*
  Implemented an online database for hospitals to obtain a list of medical equipment suppliers and their inventory for purchase. Also added a pharmacy database for doctors to prescribe medicines depending on their availability. The solution was implemented using MySQL. The interface was created using HTML5 and CSS3.
- **Steganography**
  Worked on a Python program which hides confidential data to be transmitted to the receiver in a regular image (PNG or BMP). The system consists of an Encoder and a Decoder. This was created using PIL for image read/write.
- **Key-Stroke Authentication**
  Created a simple python interface that accepts the keys pressed by the user and then from the trained dataset tries to authenticate the user. This was done with Pygame and numpy in Python.
- **Image Compression**
  Implemented JPEG compression in C++. Used OpenCV for accessing image pixel values.

RELEVANT COURSES

- **Computer Science:**
  - Machine Learning
  - Computer Networks
  - Microprocessors
  - Data Structures
  - Advanced Algorithms
  - Operating Systems
  - Computer Architecture Organization
  - DBMS
- **Mathematics:**
  - Graph Theory
  - Differential Equations
  - Numerical Optimization
  - Linear Algebra

CONFERENCE/WORKSHOPS

- **'Data Storage Technology Learning Objective'** held at RVCE, 2013**.**
- Workshop on **Python Programming** at Recruiter box, Bangalore.
- Attended a 4 day workshop on **CUDA** conducted by NVidia at RVCE in Jan 2014**.**