**Yash Bansal**

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**Summary:**

“Graduate student and a technophile aspiring to become a Software Engineer. I am looking for an opportunity where I can leverage my analytical skills and learn new technologies. ”

**Technical Skills:**

**Languages:** Java, Ruby, Python

**Web Technologies**: JavaScript, HTML5, CSS3, ERB, HAML, slim

**Tools:**  MATLAB, Eclipse, Octave, EMC Networker

**Frameworks:** Hibernate, Sinatra, Ruby on Rails

**Databases:** PL/SQL, Oracle, SQLite3

**Cloud Platforms and Tools:** Google Cloud Services, Amazon Web Services, Docker

**Education:**

* **Santa Clara University** | Santa Clara, USA| **GPA: 3.74/4** **Sep 2016 – June 2018**

Master of Science in Computer Science and Engineering

* **Rajiv Gandhi Technical University** | Indore, India  **Aug 2009 – June 2013** Bachelor of Engineering in Electronics and Communication (**Honors**)

**Professional Experience:**

**KOHLS Digital Centre, Milpitas, CA June 2017-OnGoing**

**Role: Full Stack Digital Software Intern**

Developing a Content Management System in JAVA, which facilitates sharing and accessing of documents among Vendors and Merchandise, having features as Task Management, Browsing the document, Maintaining the workflow, Electronic signature.

**Tata Consultancy Services, Mumbai, India Feb 2014 – April 2016**

**Role:** **Software Engineer**

* Worked as a Technical SAP consultant, in Data Management and Experts Module.
* Responsible for taking the backups and doing the restores of databases such as ORACLE, HANA, MSSQL, MAXDB, DB6 and SYBASE for different clients.
* Monitored and did the health check-ups of data backup servers.
* Developed tools on JAVA and created Shell Scripts, which improved the efficiency of the overall project

**Academic Projects:**

* **Student Portal:** A Ruby Based Web Application developed on Sinatra Framework using DataMapper as the ORM, following the MVC pattern, deployed on Heroku's PaaS. It has two separate views admin and student, where admin can add or edit or remove any student's record, while others can only view the details.  There is also one comments page where anybody is allowed to share his or her views and thoughts.   URI: https://damp-cove-78529.herokuapp.com/
* **Bayes Classifier:** Designed a model in MATLAB based on Bayes Algorithm to classify that a test sample belongs to which class (3 classes) using Discriminant Function.
* **Linear Regression Algorithm:** Designed a Supervised Machine Learning Model based on Linear Regression Algorithm Using Batch Gradient Descent, which predicts the Price of a House based on the Size of the House.
* **SaaS between Peers within Cloud Instances:** The idea is to share unused data space or storage between instances of different users registered across different cloud vendors. The developed software can be pulled from Docker Hub and can be installed on Linux based Dockers containers.
* **Wake Me Up Bed:** Developed an IoT project in which bed vibrates when an alarm is set on cell phone.
* **Short Spare Time Job Completion:** Coined a process Scheduling Algorithm that checks the remaining burst time of a process currently consuming the processor. Doing this, decreases the average waiting time as compared to the Round-Robin algorithm. Implemented the algorithm in JAVA.
* **Telecom industry software:** Developed a Customer Relationship Module for the application built on C++, which involves adding of new customers, maintaining their records, adding tariff plans, keeping track of customers' activity.
* **RF-id based navigation-controlled robot:** Designed a robot that uses Radio-Frequency signals for its movement. As a Team Leader it was my responsibility to get the things done on time, perform my task of coding and help other team members.
* **Line Follower Robot:** Developed a 2 Wheeled Robot that is coded in assembly language to follow a black line. My job was to handle the coding instructions given to the micro-controller.
* **Proximity Sensor:** Designed a sensor that senses anything that comes in its proximity and starts alarming. Very useful device used in automobiles, cell phones and many more applications.

**Academic Awards:**

Rewarded by a student organization (CH Edgemakers) for my excellent performances in the undergraduate. I was ranked among top 3, in the class of 140, for my consistent performance in all semesters.

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