BIKRAMJEET SINGH GHURA

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EDUCATION

- **Undergraduate – University of Washington**   Expected Graduation: June 2018
  Class Standing: Junior
  Major: Bachelor of Science in Information Technology & Systems

Jamnabai Narsee School, International Baccalaureate® (IB) Diploma Programme (DP), **Mumbai**   2012 - 2014

High School – Jamnabai Narsee School, Mumbai
ICSE Grade: 92 %
Certificate of Honor awarded for distinction achieved in The Indian Certificate of Secondary Education Examination in the year 2012.

EXPERIENCE

Spocto, Intern   Since July 16
Mumbai, India

Spocto is a Big Data Analytics integrated digital marketplace that helps brands create personalized content and better relationships with customers.
Involved in the following roles:
- Worked with the development team to develop a dashboard interface for Spocto 360, a Customer Relations Management Software & Marketing Platform.
- Introduced to Data Visualization: Conducted research & development on Data Visualization Integration with D3.js (JavaScript framework) and ZoomCharts, so that Spocto's data could be visualized within the Spocto 360 Application.
- Experience in configuring and maintaining Intelligentia's publishing platform (WordPress).
- Database Management & Integration: Set up a Relational Database to improve data management, organization & usability. Developed a front-end interface for the database with MS-Access through which operations such as search could be carried out.
- Organized and integrated data from multiple sources so that customer profiles could be created and integrated within Spocto's marketing platform.
- Learnt to write Visual Basic for Applications (VBA) to eliminate redundancy within tasks by automating data cleansing and uploading procedures.

Karvy Financial Services Ltd (KFSL), IT Intern   July 2015 – September 2015
Mumbai, India

 KFSL is a company dedicated to serving the financially under –served in the Micro & Small Business segment.
- Introduced to Enterprise Resource Planning (ERP) Systems with special focus on Customer Relations Management (CRM) systems.
- Involved in Software Development activities such as Design, Testing, Debugging and Deployment.
- Attended meetings to understand a client's front-end requirements and participated in discussions based on implementing the requirements from the developer's perspective.
- Prepared a Product Manual for KFSL's CRM software (in-house) that provides a complete walkthrough of the system. The document would be used for reference purpose.
- Prepared a presentation evaluating KFSL's decision to 'expand its CRM operations by switching to Salesforce or CRMnext'.

SKILLS

Java | Python | HTML | CSS | JavaScript | PHP | SQL | MS-Office | Research | WordPress | Teamwork | Computer Proficiency

PROJECTS

Java   2015
HTML Manager – This program allows the user to manage the source code for a website. It allows the user to add tags, remove tags or fix the HTML code.

Huffman Coding - Huffman coding is an algorithm devised by David A. Huffman of MIT in 1952 for compressing data to make a file occupy a smaller amount of space. Unbelievably,

this algorithm is still used today in a variety of very important areas. For example, .mp3s and .jpgs both use Huffman Coding. This program represents a Huffman code that can be used in compression of data in .txt files.

Evil Hangman - This program is an evil game of hangman in which the computer delays picking a word until its forced to. The computer is always considering a set of words that could be the answer. In order to fool the user into thinking it is playing fairly, the computer only considers words with the same letter pattern.

Assassin Manager - This program is a simulation of the game 'Assassin' in which each player has a target that he/she is trying to 'assassinate'. The players do not know who is trying to assassinate them or whom other players are trying to assassinate.

Python   2016

Designing and Conducting Data Analysis

 The project was based on the issue of Police Homicides in the USA and utilized data from the Guardian's 'The Counted' dataset to conduct analysis.

The project involved the following:

- Locating the data required to conduct the analysis.

- Preparing a report describing my Motivation, Methodology and Work Plan.

- Utilizing Python to conduct the analysis.

- Recording and synthesizing findings into a comprehensive report.

- Delivering a presentation explaining the analysis and results.

Prototyping   2015

University of Washington Dining App (Concept) - https://vimeo.com/154955776 (Demo Link)

The application would allow students at the University of Washington to view information related to UW Dining (menus, balance etc.) and at the same time, place an order from the application. The application provides a system that speeds up service at on-campus dining locations and provides people with the information they need (regarding on campus dining) at the right place and at the right time.

Web Programming   2016

Speedreader
Technologies – HTML, CSS, JavaScript
Utilizes a Rapid Serial Visual Presentation (RSVP) program to force readers to read quickly and accurately by presenting words to the reader in quick succession.

To-Do List
Technologies – PHP, CSS
A web page for a fictional online to-do list site called 'Remember the Cow', which is a parody of the real to-do list web site 'Remember the Milk'.

Weather
Technologies – HTML, CSS, JavaScript, XML, JSON, AJAX
Utilizes data provide by OpenWeatherMap in JSON and XML formats to display weather data.

Fifteen Puzzle
Technologies – HTML, CSS, JavaScript
The Fifteen Puzzle (also called the Sliding Puzzle) is a simple classic game consisting of a 4x4 grid of numbered squares with one square missing. The object of the game is to arrange the tiles into numerical order by repeatedly sliding a square that neighbors the missing square into its empty space.

Kevin Bacon
Technologies – PHP, CSS, SQL
A web site called MyMDb that mimics part of the popular IMDb movie database site. Your site will show the movies in which another actor has appeared with Kevin Bacon. The site will also show a list of all movies in which the other actor has appeared.

OTHER ACTIVITIES:

- Rotaract Club of Bombay North Island, Volunteer/Member (2012 – 2014)
- Team member of the University of Washington Squash Team (2014 – 2015)
- Participant at various Hackathons - Zillow Hack Housing, CodeDay and DubHacks
- Delegate of Austria at Model United Nation (MUN) Conference, Kishinchand Chelaram College