RAGHAB SHRESTHA

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# Summary

I am doing MSc IT in Data Analytics from Islington College. I am seeking for internship in Business Analyst and data Science. I have also completed edX course on ‘Analytics in Python’ offered by Columbia University. I am capable of doing python and java programming, web scraping and web crawling, SQL, NO SQL database, data analysis and visualization. Right now, I am in my second semester of my masters and I learning Data warehousing and Big data. and Programming for data analysis.

# Education

**Master in Information Technology Science | Ongoing | Islington Collage (Affiliated to London Metropolitan University)**

* Major: Data Analytics

## Bachelor Degree in Electronics & Communication | 2016 | Sagarmatha Engineering College (Affiliated to T.U.)

* Elective: Satellite communication

Remote sensing

Information system

**HSEB | 2011 | Caspian Valley College**

* Major: Science

**SLC | 2009 | Nepal Don Bosco School**

* Optional Subjects: Opt mathematics, Account

# Work Experience

**Titan International PVT. LTD | March 2017 – August 2017**

Electronics Engineer | Roles and Responsibility

* Learn the basics to install to FUJI Computed radiography System.
* Study the mechanical part as well as process of CR X-ray system.
* Research and implement various electronic module of system.
* Do the maintenance and Installation of FUJI CR X ray machine at different hospital all over Nepal.
* Give Presentation to radiologist staff to insert X-ray film into CR printer and teach them to use the software.

# Skills & Abilities

**PROGRAMMING LANGUAGE**

* Python, C, C++, JAVA, SQL, JavaScript, HTML
* BeautifulSoup and Xpath for data scraping and web crawling
* Numpy, Pandas and Scikit-learn for data analysis and Visualization
* Flask and Socketio for web development
* Android xml layout design
* Communication with backend REST API from android application

## SOFTWARE

* Spyder, Android Studio, Xampp, Mysql, MongoDB, NetBeans

**Software Project Management Skills**

* Agile, Scrum, User Stories, Use Cases, CPM, PERT

### Academic Projects

**iTrackMySystem | 2075**

In this report assignment I learnt importance of project management. First we analysis the vision and scope of the project. Then we analyzed other business options and we defined benefit of doing the purposed project. After approval we analyzed operational and functional requirements. Then we breakdown the requirements and represent them in user stories. We assign roles and responsibility through RACI matrix. We visualized the project management through scrum.

### BAG INVENTORY SYSTEM | 2073

An Android application which is able to add, edit and delete the bag products according to the requirement of seller. The application also keep track of the stock available. The application uses desktop server for keeping the database for the bag inventory. The web services are used to view, add, edit of the bags, customer and vendors. A receipt thermal printer is used to print the ordered bag items to the customer using the Bluetooth service. Also, the daily sales report is stored and can be viewed according to the need of the users.

### STUDENT MANAGEMENT SYSTEM | 2072

Developed a Student Management System which was used to save the detail about the students enrolled in a institute, about the courses offered by the institute and there price. The software was developed in Java. The management system could search, edit, delete and add according to the necessity of the users. The programming software used to develop the management system was NetBeans (for Java programming) and MySQL (for the database).

### Design of 32 bit RICS Microprocessor using FPGA| MAJOR | 2072

We learn the working principle of microprocessor architecture, R/I instruction, PS/2 keyboard, VGA and UART. We used Xilinx Software where we wrote our code for ALU and control unit taking our architecture as the reference and burnt in into the FPGA. We took inputs from a keyboard which were in turn displayed over VGA. Our microprocessor could also do arithmetic operations.

### Display of Snake Game in 8\*8 led matrix using AVR| MINOR | 2071

Implementation of snake game using DOT matrix display with 8051 microcontrollers. The board consisted of all together 5 buttons, 4 for each movement and one for reset. Food were randomly generated and snake size was constant.

# Achievements

* Presentation of 32 bit RICS Microprocessor design using FPGA in the 7th National Conference On Science and Technology (NAST).
* Completed advanced java at IT Training Nepal.
* Attended AVR training course held from 24th December 2014 to 5th January 2015 at Sagarmatha Engineering College.
* Winner of Football Competition of Sports Week 2071, Sagarmatha Engineering College held on 17th – 23rd, 2014.

# Reference

**Er. Sri Krishna Khadka**

Assistant Professor and Telecom Engineer

KIST College, NTC

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