

# Santosh Nepal

## CORRESPONDENCE

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POSTAL CODE : 44811

## PROFESSIONAL SUMMARY

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Motivated learner and who works efficiently under pressure and makes sound decisions. Exceptional team leader with strong work ethic.

A technical personnel and a team player adept at programming, documentation and critical analysis with high learning rate

## SKILLS

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### Programming language and technology

**Major:** Python, Java, C++, Excel analytics

**Minor:** MySQL, Matlab, Opnet-Riverbed, R-studio, Bash

### Additional Skills

- Analytical and critical thinker
- Fast learner
- Technical [writing skills](#)
- Team player
- Sound communication skills

## EXPERIENCE

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September  
2018 to

**Datalytics Nepal, Tangal, Kathmandu**

Engineer Graduate Researcher (IT department)

February  
2018

Key Projects completed:

1:Customer Churn Analysis

Work on large data sets to create different modules for predictive and descriptive analysis and find factors for customer churn and its mitigation.

2:Network modelling

Develop layout for small organization network with subnets and generate traffic flow to determine network parameters

3: Metadata based image search

Characterize image by tags and use the predefined keywords with some leniency to search for images (text based search) with those objects. Also, image based search accomplished to find similar images to input image

4:Research and updates on documentation of remote user access using two factor authentication

5: java resource sharing : Using threads to replicate game scenario and solve resource sharing problems by the use of semaphores

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January 2018

**Madan Bhandari Memorial College**

to

**IT department**

June 2018

**Asst. Lecturer**

Object Oriented Programming with C++

- Conducting theoretical lectures daily and practical labs
- Supervision and co-ordination of projects of students in OOP

July 2018

to

August 2018

**Morgan Engineering College**

**Asst. Lecturer**

Thermodynamics and Heat Transfer

- Conducting theoretical lectures and practical labs
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## EDUCATION

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November 2013 **Bachelors in Electronics and Communication Engineering**  
to **Institute Of Engineering (IOE), Thapathali Campus**  
December 2017

Result: First Division (73.64%)

## PROJECTS

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1: Undergraduate Major Project:

[“Speaker Recognition using Mel Frequency Cepstral Coefficient \(MFCC\) and Artificial Neural Network \(ANN\)”](#)

2: Undergraduate Minor Project:

[“SCHACS: Speech Controlled Home Automation System”](#)

3: Computer programming:

First semester – Snake game in C

## Other Areas Of Interest

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- Data and information security
- Data Communications systems
- Networking

## REFERENCES

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### **Er. Janardan Bhatta**

Head of Department

Email: [janardan.bhatta@ioe.edu.np](mailto:janardan.bhatta@ioe.edu.np)

Department of Electronics and Computer

Tribhuvan University

Institute of Engineering, Thapathali campus

### **Shirsak Niraula**

Chief Operating officer

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