AASHISH BHANDARI

Kupondole-10, Lalitpur
DOB - 30th August 1995
Cell: 9803069569, 9840065361
Email: aashish.dux@gmail.com
Linked-In: www.linkedin.com/in/aashish-bhandari-9b264b146

CAREER OBJECTIVE

Aiming to find a challenging and suitable position in a progressive organization that provides an opportunity to develop my skills, knowledge and career.

ACEDEMIC QUALIFICATION

- Bachelor of Engineering in Electronics and Communication
  IOE, Pulchowk Campus (2070-2074 BS)
  Average Score: 75% (Till 6th semester)
- HSEB (+2)
  St. Xavier's College, Maitighar (2068-2070 BS)
  Score: 80.2%
- SLC
  DAVSKVB Higher Secondary School (2067BS)
  Score: 85.63%

TECHNICAL SKILLS

PROGRAMMING SKILLS

- Well acquainted with **C** (Procedural concept), **C++** and **Python** (Object Oriented concept)
- Basic skills with database and web design using **HTML**, **PHP** and **SQL**
- Basic knowledge of **Java**
- Effective understanding of libraries including **PIL** and **OpenCV** (Image Processing), **Tensorflow** (Machine Learning), **CodeIgniter** (MVC Framework)

HARDWARE SKILLS

- Good command in programming microcontrollers and microprocessors (Atmel AVRs, Raspberry Pi)
- Effective understanding of assembly language programming (8085/8086)
- Familiar with interfacing of electronic components

TOOLS

- Familiar with Linux operating system
- Familiar with Latex, MS Office, Libre Office, Photoshop, Gimp, MATLAB
- Basic skill with Android Studio (Android Programming)

COMMUNICATION SKILLS

- Fluency in English and Nepali
- Good Communication and Presentation Skill (idea pitching and project presentation)
- Has great team spirit and can work well in a team

WORK EXPERIENCE

Internship at **LIS Nepal**
Feb. 2017 – till date

- Developed a web application in MVC framework using Code-Igniter for the internal project at LIS Nepal, "**Attrition Rate Generator**"

RELEVANT EXPERIENCE

- Organized Hack-A-Week 2017 (a pre-event of LOCUS)
- Academic projects
  - Computer Graphics project "**CubeWorld**" using **OpenGL**
  - "**Guitar Chord Bank Software**" using **C++**
  - "**Helicopter Game**" using **C** along with **SDL** graphics library
  - "**Smart Tap**" in AVR for LOCUS exhibition

AWARDS AND ACHIEVEMENTS

- Bachelor Level Scholarship awarded by Nepal Government (Nijamati Karmachari)
- Awarded by Microsoft Innovation Nepal for idea presentation and pitching, Green Idea Challenge.

MINOR PROJECT

"**Home Automation using IoT and Computer Vision**"
Project involved developing a home automation system integrating aspects of Internet of Things (IoT) and Computer Vision.

My role in this project:

- Created a web application using core PHP and MySQL database hosted by free server and then interfaced it with hardware using python scripts on Raspberry Pi.
- Created a python script for Face Detection and Recognition using OpenCV to develop a self-unlocking door integrated in the project.

MAJOR PROJECT

"**Image Enhancement and Object Recognition for Night Vision Surveillance**".

The objective of this project is to classify the objects present in images taken by IR camera after processing it with Image Processing algorithms.

My role in this project:

- Created Convolutional Neural Network for Image classification following Transfer Learning approach and Full CNN development.
- Developed a Neural Network from scratch using python.
- Implemented few Image Processing algorithms in spatial and frequency domain.

References and documents are available on request.