Shiva Gaire

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Personal Information:

Date of Birth	: 14th of June, 1995
Birth Place	: Rupakot VDC-9, Gulmi, Nepal
Temporary Address	: Sankhamul, Kathmandu
Nationality	: Nepali
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Online Profiles

Stackoverflow : geeksambhu

Github   : geeksambhu

LinkedIn   : geeksambhu

Blog   : geeksambhu

Summary:

I am a final year Computer Engineering student with an enormous passion for building beautiful Softwares and very good learning skills. Love for mathematics and programming is the precursor of my career choice. I am familiar with mainstream programming languages and possess a sound understanding of computer science underneath.

Education:

Board	Institution	Year (AD)	Remarks
SLC	Arjun English Boarding School	2011	1st Div with Distinction
HSEB	Oxford Higher Secondary School	2013	1st Div with Distinction
TU (B.E Computer)	Kathford Int'l College of Engineering and Management	2013	Running (Final Year)

Projects

- **Devanagari Character Recognition using Machine Learning algorithms**
  - **Built:** 2016 - Present [In progress]

  - **Features:** Recognizes Devanagari letters from handwritten documents fed as images.

  - **Technologies:** Libraries like Numpy, SciPy, Pandas and TensorFlow

  - **Responsibility:** Solution Architect and Programmer

- **E-cattle android application**
  - **Built:** 2014

  - **Features:** Easy interface to keep records of animal information like price, vaccination date, animal tag_no, veterinary information with their contact details.

  - **Technologies:** Java android library and SQLite database

  - **Responsibility:** UI Design and Coding
- **Bluetooth controlled Robot**

  - **Built:** 2015

  - **Features:** Android phone and arduino based robot interface with full control from android phone.

  - **Technologies:** Java android library and Arduino

  - **Responsibility:** Programmer

- **Automatic fighting Robot:**

  - **Built:** 2015

  - **Features:** Infrared and Ultrasonic sound sensor interfacing to detect opponent robot and to push it off the fighting arena.

  - **Technology:** Arduino Language.

  - **Responsibility:** Programmer

- **Application Generator:**

  - **Built:** 2016

  - **Features:** REGEX Pattern Parser, Template CRUD from Admin Panel,, Generation of PDF, Secure (csrf, XSS,SQL injection attack free)

- ○ **Technologies:** Python, Django and MySQL
- ○ **Review:** Bachelor's Minor project
- ○ **Responsibility:** Co-Programmer

Trainings & Skills:

Software Skills

- Familiar with C, C++, Java and Android library, Python and Django.
- Familiar with HTML, CSS and XML.
- Familiar with SQL and SQLite DBMS.
- Familiar with Object Oriented Programming techniques and different SDLC methodologies.
- Knowledge of various Data structures and Algorithms.
- Knowledge of git VCS.
- Familiar to **GNU/Linux** operating System and **CLI**
- GNU/LINUX operating System like Ubuntu, Debian/Windows operating system.

Hardware Skills

- Familiar with architecture of Microprocessors and microcontrollers such as Intel 8085, Intel 8086 and Intel 8051, 8052
- Familiar with assembly language for Intel 8085 and Intel 8051
- Familiar with Arduino Development Board and Programming Language "Processing"

Training

- Line Tracking Robotics Training [RoboKath]
- Cyber Security Workshop [Kathmandu University (KU)]

Extra Curricular Activities

- Co-Founder at **Kathford FOSS community.**

- Participant in Yantra 4.0 robotics competition.

- Speaker at **LINUX-Talk 2015** at **Kathford FOSS community**.

- Participant in **LOCUS 2016** at Pulchowk Campus

- Participant in Software exhibition at CAN-InfoTechou can skip them. Butwal

References

1. **Dr. Madhusudan Kayastha**

   Principal

   Kathford Int'l College of Engineering and Management

   Email: madhukathford@gmail.com / dr.madhusudan@kathford.edu.np

Declaration

I, the undersigned, certify that, to best of my knowledge and belief, this curriculum vitae correctly describe my qualification, my skills and me. I understand that any willful mistaken described herein lead to my disqualification, if employed.