**MINU SARRAF**

Date of birth: 1992 April 5

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Languages Known: Nepali, Hindi, English



**Career Objective:**

To seek challenging assignment and responsibility, with an opportunity for growth and career advancement as successful achievements.

**Academic Profile:**

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| **Qualification** | **Board / University** | **Institute** | **Year Attended** | **Division** |
| Bachelor in  Electronics and Communication | Tribhuvan University (TU) | Advanced College of Engineering and Management | 2011-2015 | First Division 75.4% |
| Intermediate (+2) | Higher Secondary Education Board (HSEB) | Kathmandu Institute Of Science & Technology, Kathmandu, Nepal | 2009-2011 | Distinction 76.2% |
| School Leaving Certificate (10) | Government of Nepal | Saraswoti Kunj Higher Secondary School, Kathmandu , Nepal | 1996-2009 | Distinction 81.63% |

**Skills:**

* Android application development.
* Languages: HTML, C, C++, Java,Verilog, VHDL, php,Assembly level language.
* Softwares: MATLAB, Eclipse, Android Studio, AVR Studio, Sketch, ZendStdio,Cisco Packet Tracer, XAMP, Proteus, Database Management System.
* Circuit fabrication in Proteus Ares.
* Hardware Design and PCB Design.
* Experience in handling electrical testing equipment, like multi-meter, oscilloscope.
* Proficient in making the PCBs for various purposes and proficient in fields of electronics like analog, digital consumer and embedded system.

**Clubs & Associations:**

* Member of Advanced Robotics Club(ARC), 2012-2014.This involved conducting and organizing workshops, competitions and working under team,women empowerment activities,etc.
* Active Member of Robotic Association Of Nepal(RAN) from 2015 onward.

**Project Works:**

**1. “Public transportation system with GPS navigation”**, 2015-January to 2015-September (*Bachelor Level, Major Project*)

**Project Description**: This Project is a joint collaboration between RFID technology, Arduino microcontroller, an Android device and a PHP/MYSQL server to build a vehicle tracking and fare calculating device for automation & efficient management of transportation system**.**

**It also includes an android app to track vehicles.**

**2. “Automatic Irrigation System”**, 2014-June to 2014-September (*Bachelor Level, Minor Project)*

**Project Description:** This Project senses the current status of the soil and waters the plant automatically on the basis of soil condition.

**3**. Project on "**Obstacle detecting**" and “**Line following" app controllable robot**.

**4.** Android apps skills:Android Sdk,Ndk,OCR,Videostreamer,Gps optimization,Phonegapp,GCM,Bluetooth interfacing with android app,Content Provider,Social Login Integration,Google Maps,Arduino and server interface through app,FCM,online payments,etc.

5.Android app in playstore:myworldlink app

**Experience:**

* Currently working as Full time Android App Developer in Worldlink,Jawalakhel,Kathmandu(Since January 2016).
* Part time(online) as Software Developer in Outdoor Robotics,drone and usa technology,USA ( <https://outdoorrobotics.com/the-outdoor-robotics-team/>).
* Past Experience:Worked as an Android app developer in RAN(Robotic Association of Nepal) for a year.

**Training/Workshops:**

* Attained a workshop on **“AVR** " organized by Advanced College of Engineering and Management, 2013.
* 4 days training on **"Khudkila**" android game development .
* 4 days training on “**Android and AVR**” workshop organized by Advanced College of Engineering and Management.
* **JAVA** course training organized by Advanced College of Engineering and Management, Kupandole, Lalitpur, Nepal (October-2015)

**ACHIEVEMENTS**:

* Organized National Robotic Competition "**YANTRA 4.0** "2015.
* Organized a Workshop on "**AVR and Android App**" at Advanced College of Engineering and Management" 2015.
* Participated in “**Techfest 2013-14”** at IIT Bombay.
* Participated in "**Yantra 2.0 National Robotics Competition**" organized by Karkhana, Kathmandu.
* 2nd position in the robotics wrestling “**LOCUS, 2014**” organized by Pulchowk Engineering Campus.
* 2nd position in robotics competition named “**Sanitizing Kathmandu**” organized by Advanced College Of Engineering And Management(ACEM).

**Personality Traits: Electives:**

* Ability to work in a team & tough situation. **.**Aeronautical Communication
* Project leading and managing skills. **.**Artificial Intelligence.
* Ability to ensure projects run to schedule and budget. **.**Database Management System

**References:**

Available on request.