

**Personal Details**

Mr. Ruraj Joshi  
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Nationality: Nepali  
DOB: 19-Jan-1991

**Statement**

To learn and use any tool necessary to solve any problem that needs solving.

**Technical****Languages**

Java (Primary)  
Python  
C/C++  
SQL  
PHP

**IDE/Tools**

IntelliJ IDEA (Primary)  
Git  
Eclipse  
Emacs  
Microsoft Visual Studio

**Server Applications**

NanoHTTPD  
Apache

**Platforms**

x86  
ARM  
AVR

**Database**

SQLite  
H2  
MySQL

**Operating Systems**

Linux (Primary)  
Android  
Windows

**Technical  
Skill/Experience****Web development**

- > Various full stack web applications with Java (NanoHTTPD), template-enabled, dynamic back-end
- > Play! Framework with Scala
- > Django Framework
- > Experienced PHP and some ASP.net with various websites for Tuition Centers and personal projects.
- > Made a Data Center web-app to ease management of data entry and reporting, which was otherwise done manually with Excel workbooks, for UTL outlet with PHP/MySQL

**Desktop Applications**

- > JavaFX applications with MVC implementation

**Interactive Game development**

- > An Alien Shooter game with BGI over Q-Basic.
- > An ASCII snakes and ladder/LUDO game with C
- > Two bike racing games separately with WinBGI over C++ and SDL over C++

## **Robotics and Embedded Systems**

> Worked in multiple wire controlled robots as hobby projects.

### **> COCORO**

Computer Controlled Robot operated with a computer or any serial port device connected to it via RS232, created as demo project for Dristi, the Inter College Exhibition during First year of college.

### **> DBOT**

A series of 4 robots created as Minor and Major projects and for National Robotics competitions Yantra 1.0 and Yantra 2.0.

DBOT 2 won the Yantra 1.0 (2012)

DBOT 3 was an advanced robot with live video feed to an Android device controlled with motion.

DBOT 4 won the runner up title in Yantra 2.0 (2013) and won at being the best design and speed.

## **Job Experience**

2013 - Current

> R&D Programmer at Real Time Solutions

Projects Done

- Queue Management System
- Digital Signage System
- Weather Observation Display
- Various Android applications

Responsibilities/Experience:

- Analysis and design of projects
- Agile project management
- Product support and trainings
- Team play
- Version control with Git

2008 - 2009

>Treasurer and Technical Director for the Computer Council, St. Xavier's College

2009

> Designer of the College Year-book 'Pioneer', St. Xavier's College

2012 - 2013

> Resource Manager for the Robotics Club, Kathmandu Engineering College

## **Education**

Bachelors of Engineering in Electronics and Communication  
Kathmandu Engineering College, 2014