

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 with Scrum
- Product support, trainings and Team play
- Version control with Git

2012 - 2013

> Resource Manager for the Robotics Club, Kathmandu Engineering College

2008 – 2009

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

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

Education

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

Reference

Mr. Ranjan Shrestha
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