

Personal Details

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

Technical**Languages**

Java
C/C++
Python
SQL
PHP

Applications

IntelliJ IDEA (IC)
Eclipse
Emacs
Microsoft Visual Studio

Server Applications

NanoHTTPD
Apache

Platforms

x86
ARM
AVR

Database

SQLite
H2
MySQL

Operating Systems

Linux
Android
Windows

Technical Experience**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++

Web development

- > Various full stack web applications with Java (NanoHTTPD), template-enabled, dynamic back-end
- > Play! Framework with Scala
- > 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

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.

Institutional Experience

> Treasurer and Technical Director for the Computer Council, St. Xavier's College (2008-2009)

> Designer of the College Year-book 'Pioneer', St. Xavier's College (2009)

> Resource Manager for the Robotics Club, Kathmandu Engineering College (2012-2013)

> Programmer at Real Time Solutions (2013-Now)

Projects Done

- Queue Management System
- Digital Signage System
- Weather Observation Display

Education

> I.Sc. Physics

St. Xavier's College, 2008/2009

> BE Electronics and Communication

Kathmandu Engineering College, 2013