

Bhuvan Mohan Singh Rawal

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Work Experience

Fiorano Software Inc.

Jan-2014 - Present

- Working on Service Oriented Architecture
- Implementing fundamental components of SOA platform – Adapters
- Designed an adapter to connect to MongoDB server
- Worked on XML parsing / generation for a specified xsd schema
- Implemented support for MySQL database for DB Adapter
- Enhanced JMS adapter to support Jboss, IBM Websphere server
- Fixed various issues in C components, WebServices, FTP

Educational Qualifications:

Degree/Certificate	Institution	GPA/Marks
BE Computer Science	BITS Pilani,Goa Campus	6.5/10
HSC Examination CBSE	Army Public School, Lucknow	87%
SSC Examination CBSE	Army Public School, Lucknow	83%

Elective Courses:

Parallel Computing	Object Oriented Programming	Quantum Info. & Computing
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Projects:

Bus Finder Application

May-Dec 2013

- Implementing a software which helps users to find the appropriate bus
- If a direct bus doesn't exist the best possible route is suggested
- Working on an Android application for Delhi, Mumbai, Blore, Kolkata, Chennai.

Prediction of Catalytic Residue using Machine Learning

Aug-Dec 2012

- Generated input to be fed into support vector machine
- Used various parameters like secondary structure, PSSM and Polarity
- Applications include drug discovery and Cancer research

Modified Alarm Clock Application Using Java Language

Jan-May 2013

- Programmed a multi utility clock which can play custom set sound
- Once the alarm turns on it asks randomly generated questions from the user

Developed a Chat Client and Server

Feb-Mar 2013

- Designed a chat server and client using socket programming in C language.
- Group-Chat feature implemented apart from regular chat feature

Technical Skills:

- **Languages/Tools:** Java, C, C++, GDB, IntelliJ Idea, Eclipse, Clion
- **Operating Systems:** Windows, Fedora, Ubuntu, Centos

Awards / Achievements:

- Decrypted a 2000+ word and 36 letter key Vigenere Cipher
- Awarded the "Best Sportsman" and "Best All-rounder" awarded at APS-Lko

Extra-Curricular Activities/Positions of Responsibility:

- Completed Stok Kangri Expedition. Summited the highest trekable peak in the world
- Stood at 4th position in the East Zonal Table-Tennis Championship.
- Worked as an Event Manager in SPREE – '09,10 & '12 at BITS-Goa
- Vice-Captain of the tennis team of BITS Goa

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