

Rajesh Surana

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Graduate student in Computer Science with 2 years of Professional Experience and excellent Information Technology background seeking an **Internship** opportunity to work in a challenging environment

TECHNICAL/COMPUTER SKILLS

Programming - C, C++, CAA, JAVA, Open GL

Web Technologies - HTML5, Java Script, PHP, and XML

Database - Oracle-9i:SQL (Certification), MySQL, MSSQL

Software - Rational Rose, Adobe Photoshop, MATLAB, CorelDRAW, CATIA, Umbrella, JIRA

Operating Systems - MS-Windows, Linux, Solaris, Android

PROFESSIONAL EXPERIENCE

3DPLM Software Solutions Ltd. (Dassault Systems) Pune

(Aug 2012-Jul 2014)

Software Developer and Release manager (CATIA Research and Development)

- Language: C++, CAA; Developing and enhancing new applications in CATIA, Fixing the bugs
- Quality Checks of the algorithms by devising Unit Tests; Reinventing algorithms from the old code pages
- Collecting and promoting local code of 3 teams to upper level global workspace

EDUCATION

MS in Computer Science

(GPA-4.0/4.0)

(Aug 2014-May 2016)

Arizona State University, Tempe, AZ

- Coursework: Advanced Operating System, Information Assurance and Security, Programming Languages, Foundations of Algorithm, Semantic Web Mining, Data Visualization

Bachelors (B-Tech) in Information Technology

(GPA-3.8/4.0)

(Jul 2008-May 2012)

Walchand College of Engineering, Sangli (Shivaji University), India

- Coursework: Advanced Database, Data Mining, Web Technologies, Unix Operating System, Mobile Technology, Distributed Computing, Software Engineering, Artificial Intelligence and Expert Systems

ACADEMIC PROJECTS

Compiler in JAVA – [Open Source](#)

(Fall 2014)

- Composed of four stacks – Lexer, Parser, Semantic Analyzer and Code Generator
- Technologies used: State Table, Regular Expressions, DFA, BNF, EBNF, Syntax diagram and Binary-Search Tree

Clock synchronization in distributed environment (Linux) – [Open Source](#)

(Fall 2014)

- Implemented a new networking protocol on IPv4 level for clock synchronization to impose sequence ordering on messages

NetraRIS – a Web based DICOM Viewer with Hospital Management (team of 3) – [IJCA](#)

(2011-2012)

- Technologies used: PHP, HTML5, MySQL, VTK library, PACS Server, DCM4CHE, WebGL, Wavefront.obj, AJAX

Website designing for Electromech Technical Services, Pune (team of 3)

(Spring 2011)

- Technologies used: Apache web server, MySQL and PHP

Hospital Management System in JAVA (team of 3) – [Open Source](#)

(Fall 2010)

- Designing and creating databases using MySQL to facilitates efficient storage of hospital data

Iagno game in C++ (Linux) (team of 2) – [Open Source](#)

(Spring 2010)

- Upgrading the existing Linux game Iagno with more difficulty levels and improved GUI

ACCOMPLISHMENTS AND MERITS

- Perfect score in all the academic course projects demonstrating skills in implementing theoretical concepts in practice
- Community service by developing **Blood Donation Registry** software ([Open Source](#)) for Rotaract Club, Sangli
- Two times paper presentation winner in state level competitions