
EDUCATION

Chicago, IL	University of Illinois at Chicago	August 2017 – May 2019
<ul style="list-style-type: none">Master of Science in Computer ScienceCoursework: Database Systems, Object Oriented Languages & Environments, Computer Algorithms – 1, Data Mining & Text Mining, Database Management Systems, Artificial Intelligence - 1		
Jaipur, India	Global Institute of Technology	September 2010 – June 2014
<ul style="list-style-type: none">B. Tech in Computer Science & Engineering		

TECHNICAL SKILLS

- C; C++; Java 7 & 8; Maven; Gradle; SBT; JUnit; JavAssist; Scala 2.12.3; Python 2.7 & 3.6; SQL; PL/SQL; Prolog; XML; Git; UNIX; RDBMS; HTML5; CSS3; JavaScript; PHP; TCP/IP; Web Hosting (cPanel);
- MS SQL Server; MySQL; BlueJ; IntelliJ; PyCharm; Visual Basic; Oracle 8 & 9i; Rational Rhapsody; JIRA;
- Log Analysis Tools - Intel System Trace Tool; QxDM; IT³ Prove!

WORK EXPERIENCE

Software Engineer	Tech Mahindra Limited, India	June 2014 – July 2017
<ul style="list-style-type: none">Developed XML based test scripts for AT&T & T-Mobile network operators as per their requirements and based on 3GPP & IoT standards on Anite & Spirent simulators.Troubleshooting simulator software issues in both Noida & New Jersey Lab (remotely). Reduced simulator down time by over 65% with quick resolution & decreased dependency on simulator providing company.Conducted training and workshops to business customers, colleagues, and interns.Awards – ‘Bravo’ (twice) & ‘Pat on Back’ for remarkable contribution to the department		
Software Engineer	Tech Mahindra Limited, Europe	June 2016 – August 2016
<ul style="list-style-type: none">Log analysis, protocol performance debugging and to provide inputs for better & alternate solutions for the next releases of the software builds of non-commercial/debug builds to Apple Inc. & Huawei Technologies Co. Ltd. Gained hands-on experience working with JIRA & Apple Bug Reporter tools as well.Won “Pat on Back” award for successful completion of the project with client appreciation.		
Software Engineer, Intern	Rance Computer Pvt. Ltd., India	June 2013 – July 2013
<ul style="list-style-type: none">Summer Internship on HTML, CSS, JavaScript and PHP.Designed website of Micamac Inc. (http://micamac.com) as final project of the internship program.		

PROJECTS

- [UC Berkeley's AI based Pac-Man Projects](#) (2018) - An array of AI techniques is applied such as Informed state-space search, probabilistic inference, reinforcement learning, MDP & HMM to playing Pac-Man. *Python 2.7*
- [Random Java Program Generator](#) (2017) - A generator program that creates a syntactically correct but semantically meaningless random Java program on every run. The input to the generator program is a configuration file that defines various parameters that constrain the generation of the Java program. *Java 7*
- [SMS based Wireless Security System](#) (2013) - Deployed in college library, provides a 2-layer security in the physical access of the secured areas. Owner (Head Librarian) can grant/reject a person's entry in secured area whenever a request is made from any geographic location in form of SMS. *Embedded C, AT Commands.*
- [Gmail User Agent](#) (2012) - A desktop application which allows users to access and manage his/her e-mails in the mailbox, like MS Outlook. *J2EE, MySQL*
- [Contact Management System](#) (2011) - A computer application which provides the facility to store details of employees, vendors and clients associated with an organization. *J2EE & SQL Server Management Studio 2008*

ADDITIONAL INFORMATION

- Worked with Human Rights Council of India, an N.G.O. located in Kolkata, India, as a Program Associate for 3 years improving computer literacy in public schools and orphanages.
- Co-Ordinated Annual Technical Symposium & National Level Sports Meet of Global Institute of Technology. Developed excel-based analytical tool for expense management resulting in 38% reduction in man-hours consumed to track & analyze expenses.
- Core group member of Pirates of Computers (P.O.C.), the computer engineers club of Global Institute of Technology; organized events under P.O.C.'s banner.