

704 S Claremont Ave, Apt 2  
Chicago IL 60612  
Cellular: +1 (312) 838-6524

# PRATYUSH BAGARIA

[github.com/prats13bag](https://github.com/prats13bag)  
[linkedin.com/in/pratyushbagaria](https://linkedin.com/in/pratyushbagaria)  
[pratyush\\_bagaria@hotmail.com](mailto:pratyush_bagaria@hotmail.com)

## EDUCATION

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

## TECHNICAL SKILLS

- Languages & Tools: C; C++; Java 8; Maven; Gradle; SBT; JUnit; JavAssist; Scala; Prolog; Python; NLTK; SciKit-Learn; SQL; PL/SQL; HTML; CSS; JavaScript; PHP; XML; MS SQL Server; MySQL; Oracle; IntelliJ; PyCharm; UNIX; Visual Basic; Rational Rhapsody; JIRA; Git; Intel System Trace Tool;
- Domain Knowledge: Data Structures & Algorithms; Object-Oriented Programming; Relational Databases; Artificial Intelligence; Machine Learning; Data Mining; Web Hosting (cPanel);

## WORK EXPERIENCE

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

## PROJECTS

- [UC Berkeley's AI based Pac-Man Projects](#) (2018) - Array of techniques is implemented 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, like MS Outlook, which allows users to access and manage his/her e-mails in the mailbox. *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 three 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.