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PRATYUSH BAGARIA

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EDUCATION

Chicago, IL	University of Illinois at Chicago	August 2017 – May 2019
<ul style="list-style-type: none">• Master of Science in Computer Science• Coursework: 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

- Languages & Tools: C; C++; Java; 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;
- Domain Knowledge: Data Structures & Algorithms; Object-Oriented Programming; Relational Databases; Artificial Intelligence; Machine Learning; Data Mining; Web Hosting (cPanel);

WORK EXPERIENCE

Software Engineer	Tech Mahindra Limited, India	June 2014 – July 2017
<ul style="list-style-type: none">• Project Name: CM-DT; Clients: AT&T and T-Mobile• Developed client-to-vendor connectivity application based on MVC architecture and mapping XML files. Implemented Factory Pattern, Strategy Pattern, Builder Pattern to name a few apart from MVC.• Throughout involvement in following phases of SDLC - Designing, Developing & Testing the platform.• Awards – ‘Bravo’ (twice) & ‘Pat on Back’ for remarkable contribution to the department over the years.		
Software Engineer	Tech Mahindra Limited, Europe	June 2016 – August 2016
<ul style="list-style-type: none">• Project Name: APEX-EU; Client: Apple Inc.• Job role includes log analysis, protocol performance debugging, unit testing and maintenance of the application platform onsite. Further, was responsible for maintaining application documentation & specification.• Won “Pat on Back” award for successful completion of the first cycle 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 Incorporation (http://micamac.com) as final project of the internship program		

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.