

# Nitika Khurana

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## EDUCATION

**Master of Science in Computer Science | GPA: 4.0**

*Expected May 2018*

University of Maryland, Baltimore County (UMBC)

**Bachelor of Technology in Computer Science | GPA: 4.0**

*Graduated in June 2013*

Maharaja Surajmal Institute of Technology (MSIT), GGSIPU, Delhi, India

## PROFESSIONAL EXPERIENCE

**Web Editor - Center for Hybrid Multicore Productivity Research (CHMPR), UMBC**

*September 2016 to Present*

- Maintaining the CHMPR laboratory website in WordPress

**Senior Systems Engineer – Infosys Limited, Chandigarh, India**

*October 2013 to July 2016*

- Worked as a **senior programmer** in the banking and financial domain for fortune 500 clients, American Express
- Designed and maintained an application to issue virtual credit cards to customers and set up funding accounts through which payments will be made using HTML5, CSS, jQuery and Spring MVC framework
- Implemented data service calls through Data Power (SOAP/WSDL) and Data Access Object (DAO) for efficient data retrieval from the database and analyzed the reported data using Splunk
- Designed and implemented a 'Feedback Portal' for the application and provided multi-lingual support
- Imbued sound technical as well as functional knowledge of **Agile business processes** and their implementations
- Organized offshore-onshore calls among the teams and **drove scrum calls** with Quality Assurance team

**Project Intern – Hindustan Times Media Limited, Delhi, India**

*June 2012 to August 2012*

- Worked with industry experts on a **live project** dealing with inventory management and tracking
- Developed a server – side application for the organization to track the inventories allocated to its employees

**Project Intern – Computer Maintenance Corporation (CMC) Limited, Delhi, India**

*May 2011 to June 2011*

- Developed a JAVA application 'Library Management System' to track the books and resource materials available in the college library with an additional functionality to auto generate a late return fee

## COMPUTER SKILLS AND RESEARCH INTERESTS

**Computer Languages:** Java, Python, JavaScript, PHP

**Web Technologies/Frameworks:** JSP, HTML5, CSS3, jQuery, Angular.js, Bootstrap, Hibernate, JSON, Spring MVC, Tomcat

**Database:** MySQL, MS SQL

**Professional Applications:** GITHUB, SVN, RALLY, SOAP UI, WSDL, REST, MS Office, Juniper

**Development Environments:** Eclipse, IntelliJ

**Technical Concepts:** Agile Methodologies, SDLC, Requirement Gathering, Project Management, Google API

## PROJECT AND RESEARCH EXPERIENCE

**New Eleusis**

*UMBC, 2016*

Implemented New Eleusis card game that aims to identify the rule set forth by the challenger using the concepts of Artificial Intelligence and Machine Learning. The game achieved an accuracy of over 90%.

**Intent Mining on Amazon Review Data for detecting Fake Reviews**

*UMBC, 2016*

Analyzed the overall sentiment of Amazon Reviews using big data analytics and machine learning methodologies to gain useful insights about the quality of amazon reviews

**Performance Modeling and Comparison of Distributed Scheduling Algorithms**

*MSIT, 2008*

Developed a research cum development project that aimed at analysis and evaluation of master-slave architecture based distributed algorithms

**Cross - Lingual Information Retrieval System**

*MSIT, 2007*

Designed an application in C# that entitled users to access documents written in any language other than his native language using query translation and dictionary-based techniques and provided an interface for text to speech retrieval

## LEADERSHIP AND ORGANIZATIONAL EXPERIENCE

**Event Head - Maharaja Surajmal Institute of Technology-** Organized event 'Encoded Beans', a JAVA programming event in the annual technical festival, 2012