# Nitika Khurana
### *Software Developer & Artist*

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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*
Guru Gobind Singh Indraprastha University (GGSIPU), Delhi, India

## PROFESSIONAL EXPERIENCE

**Web Editor - Center for Hybrid Multicore Productivity Research (CHMPR), UMBC**          *September 2016 to Present*
- Working as WordPress developer for research laboratory CHMPR

**Senior Systems Engineer – Infosys Limited**, *Chandigarh, India*                            *October 2013 to July 2016*
- Worked as a **senior programmer** in the banking and financial domain to design and develop an application to issue virtual credit cards to customers and set up their funding accounts through which payments will be made.
- Implemented data service calls by consuming WSDL services, defined RESTful services, utilized SOAP web services to expose the business logic, maintained the database and analyzed the reported data using Splunk
- Designed and developed a 'Feedback Portal' for the application and provided multi- lingual support
- Involved primarily in application design, build and development
- Imbibed 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 and was an active member of the sprint planning 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

## COMPUTER SKILLS AND RESEARCH INTERESTS

**Computer Languages**:            Java, Python, C++, JavaScript, Android, PHP
**Web Technologies/Frameworks:** HTML5, CSS3(LESS), jQuery, AJAX, AngularJS, Bootstrap, JSON, Node.js, REST, React.js, XAMP/WAMP
**Web Servers:**                   Tomcat, WebSphere Application Server, JBOSS
**Databases:**                     MS SQL server, MySQL, Oracle
**Operating systems**:             Windows, Linux, Android
**Development Environments:**      Eclipse, IntelliJ, Brackets, Android Studio
**Professional Applications**:     GIT/GITHUB, SVN, RALLY, Juniper, WordPress, MS Excel, Jenkins, Photoshop, Slack, JIRA
**Technical Concepts:**            Agile Methodologies, SDLC, Cloud, SOA, Scrum, Sockets, Sprint planning, APIs, Cross-browser, JUNIT

## PROJECT AND RESEARCH EXPERIENCE

**Mix and Match**                                                                                        *UMBC,2017*
Currently developing an application to allow users to enter the ingredients available to them and then suggest a recipe based on those. It would also allow the user to upload a new recipe, follow a new recipe, locate nearby grocery stores and filter based on most recently searched ones.

**Find me Indoor/Outdoor**                                                                               *UMBC, 2017*
Developed an Android application to determine the user location based on whether the user is outdoors or indoors. The app generates an algorithm that identifies user location and then utilizes the GPS service if outdoors and Network services if indoors and then uses accelerometer and gyroscope data to calculate new positions thereafter.

**New Eleusis**                                                                                          *UMBC, 2016*
Implemented New Eleusis card game that aims to identify the rule set forth by the dealer using the concepts of Artificial Intelligence and Machine Learning; 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

**Ricochet Robots**                                                                                      *UMBC, 2016*
Solved the problem of Ricochet robots; to find the shortest route to the destination hampered by roadblocks using informed/uninformed search algorithms

**Performance Modeling and Comparison of Distributed Scheduling Algorithms**                              *GGSIPU,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**                              *GGSIPU,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** – *GGSIPU* - Organized 'Encoded Beans', a JAVA programming event in the annual Tech fest'12
**Scholar** – *GGSIPU, Kulachi Hansraj Model School*
**Award Winner** – Won various awards as an artist in Drawing competitions