

Nitika Khurana

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EDUCATION

University of Maryland, Baltimore County (UMBC), MD

GPA: 3.95/4.0

Master of Science in Computer Science

Expected: May 2018

- Relevant Coursework: Design and Analysis of Algorithms, Advanced Operating Systems, Mobile Computing, IoT

Guru Gobind Singh Indraprastha University (GGSIU), Delhi, India

GPA: 4.0/4.0

Bachelor of Technology in Computer Science

Graduated: June 2013

PROFESSIONAL EXPERIENCE

University of Maryland, Baltimore County

Baltimore, MD

Teaching Fellow for the course, CMSC 681, "Advanced Computer Networks"

August 2017 to Present

- Prepare assignments and create course project materials and groups
- Design course website, lead discussion sections and maintain correspondence with graduate students

Front-End Developer

September 2016 to Present

- Design the website for Center for Information Security and Assurance (CISA), Center for Hybrid Multicore Productivity Research (CHMPR), and the Center for Accelerated Real Time Analytics (CARTA) research groups

Gallup

Omaha, Nebraska

Software Developer Intern

May 2017 to August 2017

- Analyzed the email subscription data of Gallup's two major campaigns, "Clifton Strengths" and "Gallup Certified Coaches" to restructure their marketing strategies like Marketo and Adobe
- Implemented these reports in Gallup's "Spaces" application in **C#**, created their user interface in ASP.NET by analyzing the StrongView survey tool, devised **MySQL** queries to fetch the email campaign data thereby expedited a rise in sales by **70%**
- Redesigned Gallup's fitness center web application in Adobe CC/**Bootstrap/JavaScript** to allow users to create, update and keep track of scores for various fitness challenges available to them and claim prizes for the scores earned
- Participated in daily scrums to point and estimate the effort for user stories in **JIRA**
- **Counseled** high school interns to help them in their summer projects and get acquainted with Gallup's work culture

Infosys Limited

Chandigarh, India

Senior Systems Engineer

October 2013 to July 2016

- Developed two applications for American Express in **Java/JavaScript/HTML**: vPayment to issue virtual credit cards to customers and vPOL to allow customers to set up their funding accounts and manage transactions
- Implemented data service calls by consuming WSDL services, defined SOAP web services to expose the business logic, maintained the application database in **SQL** and analyzed the reported data using Splunk
- Added a "feedback portal" to the application and incorporated multi-lingual support to the application
- Acted as an interim **Scrum Master** and imbibed sound technical as well as functional knowledge of Agile business processes

Hindustan Times Media Limited

Delhi, India

Full Stack Developer Intern

June 2012 to August 2012

- Developed an application for the organization to allocate, track and deallocate inventories available to its **300+** employees

PROJECTS

- *Artificial Intelligence* (UMBC): Implemented a "New Eleusis" card game in **Python** that aimed to identify a card-throwing rule set forth by the dealer using the concepts of Artificial Intelligence and Machine Learning with an accuracy of over 90%
- *Mobile Computing* (UMBC): Developed an **Android** app named "Grub" for recipe suggestion out of left-over ingredients
- *Machine Learning* (UMBC): Intent Mining on Amazon Review data to identify fake reviews (**Python/Flask**)
- *Close to my heart*: Constructed a web application in Bootstrap as a wedding anniversary present to my parents to relive the happy moments of their journey together so far

TECHNICAL SKILLS

Computer Languages: Java, JavaScript, Python, C#, C++, PHP

Web Technologies/Frameworks: HTML5, CSS3 (SASS), jQuery, Node.js, REST, React, JSON, AJAX, Angular, Bootstrap, XML, Express

Databases: MySQL, SQL Server, Oracle, MongoDB

Operating Systems: Windows, Linux, Android

Applications/Tools: GIT, AWS, Adobe CC, XAMP, SVN, RALLY/JIRA, Jenkins, Photoshop, Grunt, WordPress, Maven, Juniper

Technical Concepts: Agile Methodologies, UX, SAAS, Bitcoin, Chrome Inspector, Sockets, SOA, APIs, Cross-browser, JUnits

ACTIVITIES

Member of Ebiquity, CHMPR and UMBC Sikh Association