

# Nitika Khurana

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## EDUCATION

### University of Maryland Baltimore County

MS IN COMPUTER SCIENCE  
Expected May 2018 | Baltimore, MD  
GPA: 3.90

### Guru Gobind Singh Indraprastha University

BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE  
Graduated Jun 2013 | Delhi, India  
GPA: 4.0

## COURSEWORK

Design and Analysis of Algorithms  
Advanced Operating Systems  
Mobile Computing  
Internet of Things  
Artificial Intelligence

## SKILLS

### Programming

Over 5000 lines:  
Java • JavaScript • C# • C++ • Python  
Over 1000 lines:  
C • Android • PHP • Node.js

### Web Development

HTML5 • CSS • jQuery • REST • React •  
JSON • AJAX • AngularJS • Bootstrap

### Databases

MySQL • MS SQL Server • Oracle •  
MongoDB • SQLite

### Frameworks

Spring MVC • Hibernate • JPA • Struts2 •  
JUnit • Maven • Scrum • XML

### Tools

Git • AWS EC2 • Azure • RALLY • JIRA •  
Jenkins • Google API • GraphQL • Juniper •  
DDD

## OTHER EXPERIENCES

Graduate Teaching Assistant at UMBC for  
CMSC 681 Advanced Computer Networks  
for Fall 2017

Research on [Securing AI](#) from cyber attacks  
to prevent knowledge graph poisoning

[Front-End Developer](#) at UMBC since Fall '16

## EXPERIENCE

### GALLUP | SOFTWARE DEVELOPER INTERN

May 2017 – Aug 2017 | Omaha, NB

- Analyzed email subscription data of Gallup's two major campaigns, "Clifton Strengths" and "Gallup Certified Coaches" to restructure Gallup's marketing strategies
- Formalized the analysis into [C#/ASP.NET](#) reports by auditing the StrongView tool and thereby augmenting product sales by [70%](#)
- Redesigned Gallup's fitness center application to allow users to create, update and keep track of scores for various fitness challenges available and claim rewards for the scores earned
- Counseled high school interns and delivered knowledge transfer sessions within the team

### INFOSYS LIMITED | SENIOR SYSTEMS ENGINEER

Oct 2013 – Jul 2016 | Chandigarh, India

- Developed two [Java](#) applications for American Express: vPayAdmin, to issue virtual credit cards to customers and vPOL, to allow customers to set up their funding accounts and manage transactions
- Built backened services using [Spring](#), fabricated WSDL files to expose banking transactions, created stored procedures and functions in [Oracle SQL](#), and monitored the reported data using Splunk
- Incorporated [internationalization](#) for the application and designed its feedback portal
- Served as an interim [Scrum Master](#), orchestrated client calls and estimated effort for user stories in Rally

### HINDUSTAN TIMES MEDIA LIMITED | FULL STACK DEVELOPER INTERN

Jun 2012 – Aug 2012 | Delhi, India

- Engineered a Java application to allocate, track and deallocate inventories available to 300+ employees using [Spring](#) and [Hibernate framework](#)
- Enhanced accessibility for Facilities team to easily monitor allocations and for employees to track renewal policy deadlines

## PROJECTS

### MIPS

GitHub://CMSC611-Project

Designed a MIPS simulator in [Java](#) that accepts a MIPS instruction set, dynamically schedules instruction execution, and calculates scoreboard based on the configuration of different elements

### NEW ELEUSIS

GitHub://New-Eleusis-1

Implemented a card game in [Python](#) aimed to identify a card-throw rule set forth by the dealer using the concepts of Artificial Intelligence and Machine Learning attained with an accuracy of 85%

### GRUB

GitHub://GrubApp

Constructed an [Android](#) app aimed to serve every lazy college student to suggest recipes out of left-over food ingredients with [Google and Facebook APIs](#) for login

### COURSE SELECTION

GitHub://Course-Selection-System

Devised an application to allow students to assess subject difficulty levels with every professor during course registration to reduce the overhead incurred by departments (CSEE, Finance) during class drops