

# Nitika Khurana

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## EDUCATION

### University of Maryland Baltimore County

MASTERS IN COMPUTER SCIENCE  
Aug 2016 - May 2018 | Baltimore, MD  
GPA: 3.9

### Guru Gobind Singh Indraprastha University

BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE  
Aug 2009 - 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

Java • JavaScript • C# • C++ • Python • C  
Novice:  
PHP • Node.js

### Web Development

HTML5 • CSS • jQuery • REST • React •  
JSON • AJAX • AngularJS • Bootstrap • D3.js

### Databases

MySQL • MS SQL Server • Oracle •  
MongoDB • SQLite

### Frameworks

Android • 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  
Advanced Computer Networks for Fall '17  
Social Media Mining for Spring '18

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 by auditing StrongView tool to restructure Gallup's marketing strategies
- Formalized the analysis into C#/ASP.NET reports, forged MySQL stored procedures and thereby augmented product sales by 70%
- Redesigned Gallup's fitness center application using ASP.NET and Bootstrap and integrated localization to eliminate difficulties faced by users while updating scores for various fitness challenges
- Counseled high school interns and delivered knowledge transfer sessions to team

### INFOSYS LIMITED | SENIOR SYSTEMS ENGINEER

Oct 2013 – Jul 2016 | Chandigarh, India

- Developed admin and user applications for American Express in Java to issue virtual credit cards to customers and manage transactions
- Built backend 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 de-allocate inventories available to 300+ employees using Spring and Hibernate frameworks
- 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 for every lazy student to get recipes suggestions out of left-over food ingredients with Google and Facebook API for login

### COURSE SELECTION

GitHub://Course-Selection-System

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