

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

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

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