

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 •
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 • SOAP •
JPA • Struts2 • Junit • Maven • Scrum • XML

Operating Systems

Unix • Windows

Tools

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

OTHER EXPERIENCES

Graduate Teaching Assistant at UMBC for
Design and Analysis of Algorithms
for Spring 2018 & Advanced Computer
Networks for Fall 2017

Research Assistant (Web) at UMBC since Fall
2016

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 vPayment 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 SOAP web services and 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

RESEARCH

SECURING ARTIFICIAL INTELLIGENCE SYSTEMS

Currently working on detection and prevention of cyber-attacks on AI systems by evaluating the credibility of social media posts (Reddit, dark web, etc) to dissipate knowledge graph poisoning

PROJECTS

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%

INTENT MINING ON AMAZON REVIEW DATA

GitHub://Intent-Mining-on-Amazon-Reviews

Instituted clustering algorithms and constructed a dashboard in Python-REST-Flask to analyze the product reviews on Amazon collected over a span of 20 years to identify fake reviews with an accuracy of 88%

GRUB

GitHub://GrubApp

Constructed an Android app aimed for every lazy student to get recipe suggestions out of left-over food ingredients with Google and Facebook API for login