Nitika Khurana

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EDUCATION

University of Maryland Baltimore County
MASTERS IN COMPUTER SCIENCE
Aug 2016 - May 2018 | Baltimore, MD
GPA: 3.90

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
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 • D3.js

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 '17

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