Shikha Kumari

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EDUCATION

Master of Computer Science   **August 2018 - May 2020**
Arizona State University, Tempe, AZ   3.6/4.0

Bachelor of Technology in Computer Science and Engineering   **May 2012 - May 2016**
Kalinga Institute of Industrial Technology (KIIT University), India   8.15/10.00

SKILLS

Courses: Data Structures, Algorithms, Databases, Machine Learning, Software Development, Data Mining, A.I
Programming Languages : C++,SQL, Java, Python, PLSQL, C#, PHP, JavaScript
Tools/Frameworks : Django, Eclipse, Visual Studio, Struts, HTML, Sencha ExtJS, Solr

WORK EXPERIENCE

OrderTech Corp, Tempe, AZ (Intern)   **May 2019 - Dec 2019**
- Developed Sencha Ext JS application using user defined/existing APIs for website enhancements.
- Developed checkout process for listing and selling items on Google Express.
- Develop a Pricing Engine for providing pricing recommendations based on competitors price in JavaScript.
- Develop a Product recommendation Engine using SQL based on transaction history

Huawei Technologies, Bangalore, India (Software Engineer)   **Oct 2016 - July 2018**
- Developed Heartbeat feature using Java for the Electronic Bus Module which could generate heartbeat signals from each node and perform operations based on the CPU, memory and heap usage of the node.
- Developed an HTML Parser Tool in Java using Jsoup Library that parses through all the HTML documents and provides a filtered out result to emphasize relevant data and reduce latency from 10 days to 10 seconds.
- Worked on Databases using SQL and PLSQL as a Backend Developer. Also, Developed and tested new software delivered to customers across the globe.
- Handled the Integration tool and was responsible for maintaining the correctness of the code in Java and SQL.

Cognizant, Kolkata, India (Intern)   **March 2016 - April 2016**
- Developed a software in Python to detect malicious URLs using Machine Learning concepts of SVM.

PROJECTS

Path Planning
- Python, Microsoft Visual Studio, A* and D* algorithm (machine learning concepts)
- Implemented artificial intelligence algorithm D*Lite for Robot learning.
- Uses replanning to find feasible path for robot with no future information.

Entertainment Guide:
- C#, ASP.NET, Microsoft Visual Studio
- Consists of SOAP/WSDL and RESTful APIs.
- Informs about nearest store address and about your favorite movie/song/artist.

Spare Management System:
- Java, Servlets, Struts, OracleDB, SQL, HTML5, Apache Tomcat Server, Netbeans, Agile methodology.
- Developed a Pricing Engine to depict the consumption and procurement of critical spares.
- Color Coded reports available for the spares to represent importance/availability.
- Tracks procurement order and notifies relevant person.
- 100% accuracy for consumption patterns and stock overview available 24*7 at one click.

AWR Parser Tool:
- Java, Jsoup Library, SQL, OracleDB, PLSQL, HTML5, CSS, Eclipse.
- Analyzed queries and AWR Reports that took longer than expected at customer site.
- Reduced latency from a week to 10 seconds.

Bookstore-Publisher System:
- C#, ASP.NET, Microsoft Visual Studio.
- Uses multithreading and buffer cell concepts to allow ordering from various publishers.
- On price drop, automatically reorders the book.