Dhawal Nikam

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TECHNICAL KNOWLEDGE

C#, SQL, SQL Server, JavaScript, ReactJS, AngularJS, .NET Framework, D3.js, Rest APIs, Web Apps, HTML5, CSS3

WORK EXPERIENCE

Software Engineer II   **Microsoft, Redmond**   **Jan 2020 - Current**
- Built UI & backend for an MVC web app to help teams onboard measures, edit/delete existing measures. The measures help to identify the success or failure of an area within a product.
- Implemented Scope scripts to prepare data for measures and pushed it to the Cosmos database.
- Built Power BI reports for the stakeholders and implemented Kusto queries to filter data.

Senior Software Developer   **KMR Group Inc, Chicago**   **Jul 2019 - Dec 2019**
- Designed and implemented REST APIs for healthcare products which are consumed by engineers for development.
- Built a reporting tool using iTextSharp and reduced cost for the report generation process from 6 hours to 5 minutes.
- Worked closely with other team members to plan, design and develop robust solutions in a timely manner.

Software Developer   **KMR Group Inc, Chicago**   **Sep 2014 - Jun 2018**
- Took initiative to design, implement and test a "save-restore" feature for the web applications.
- Built interactive dashboards to visualize clinical trials data using D3.js and AngularJS.
- Created a tool to analyze and monitor the usage of customer facing web applications.
- Developed and enhanced stored procedures and wrote ad-hoc SQL queries to support report generation requests.

Graduate Research Assistant   **University of Missouri, Columbia**   **May 2012 - May 2013**
- Built a recommendation system for advertisement spending and geographical location search using Information Gain, Normalized Google Distance, modified KNN algorithm.
- Implemented a real-time twitter feed sentiment analyzer during the 2012 US Presidential debates which was used by local newspapers. Link: https://goo.gl/NQLtcM.
- Implemented programs for the analysis of Protein Data Bank (PDB) sequences. This project delivered several interesting features like automatic update system to keep local cache of PDB structures in sync with PDB DB in the cloud and extraction and analysis of sequences from PDB structures, automatic generation of sequence profiles.

Software Developer   **JP Mukherjee & Associates Pvt. Ltd, India**   **Aug 2010 - Jun 2011**
- Designed and implemented a tool for collecting and updating public data for sugar industry sites and for classifying the sites based on performance metrics.

ACADEMIC PROJECTS

Behavior modeling: Designed and implemented a classifying model to study customer buying habits to identify new potential customers using several advanced data mining techniques such as decision trees and support vector machines.

Distributed computing: Wrote distributed (multi-process) and parallel (shared-memory) computing programs to implement solutions to several classic problems such as N-Queens and MatMul.

Game logic design: Developed a multi-player jigsaw puzzle solving game in Java with support for custom rules, 360-degree rotation and other usability features. Link to demo/video: http://www.youtube.com/watch?v=kJeeZ_d7KWc

EDUCATION

University of Missouri, Columbia, MO   **Jan 2012 - May 2014**
Master of Science in Computer Science
Coursework: Advanced Data Structures, Artificial Intelligence II, Data Mining, Parallel and Distributed Computing

University of Pune, India   **Jun 2006 - May 2010**
Bachelor of Engineering in Computer Engineering
Coursework: Operating Systems, Database Management Systems, Software Testing, High Performance Networks