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Nakul Chawla

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Employment

Developer BI & A	Target Corporation	July 2013-July 2016

Real Estate Database
- Developed a full stack MVC web application using SQL Server, .Net, C#.
- Implemented the complete front end in angularjs 1.3.
- Implemented services and controllers in angularjs.
- Rest APIs and responsive UI using HTML5 and CSS3.
- Data normalization to reduce redundancy and increasing access speed.
- Data warehousing and implementation in SQL Server.

Block Group Assignment
- Analyzing guest shopping patterns at Target using distributed database systems.
- Managing large scale data in hadoop for persistency.
- Analysis in in-memory distributed cluster of spark-1.4.
- Visualized all guests and their movements on d3.js.

Vendor Income
- Developed the complete front end of the CNA-Vendor Income in HTML5 and CSS3.
- All functionality written in javaScript and jQuery.
- Multiple levels of drill down reports with graphs to show the audit and item level vendor data.

Inventory Management
- Developed and designed various pages for the inventory team to show the shortage metrics.
- Fully responsive pages in HTML5 and CSS3 with complete jQuery functionality and d3.js graphs.
- Dynamic resizing and hiding of tables and graphs for better user experience.

Education

Tempe, AZ	Arizona State University	Fall 2016 – Expected Fall 2018

- Masters in Computer Science, GPA:3.33
- Graduate Coursework: Statistical Machine Learning; Principles of Programming Languages; Distributed Database Systems; Knowledge Representation & Reasoning;

Bangalore, KA	M.S.Ramaiah I.T	Fall 2009 – May 2013

- B.E. Information Science, May 2013 GPA:3.53
- UG Coursework: Database systems; DBMS; Business Intelligence; Data Structures and Algorithms; Object Oriented Programming; Internet Programming;

Technical Experience

Projects
- **KDD 2016 Paper Acceptance Rank Prediction** (2016). Predicting the ranking of an institution based on heterogeneous data provided by Microsoft Academic Graph API. Used Brown's Simple Exponential Smoothing, SVM Rank and Gradient Boosting Decision Trees to predict ranks and evaluating them using the Normalized Discounted Cumulative Gain.**Python,SQL, Google Big Query**
- **Distributed Database Systems** (2017). Setting up a 3 node hadoop cluster, and geo-spark for analyzing hot spots for cab drivers in a city. **Scala**

Additional Experience and Awards

- **Pyramid Award at Target:**for developing and automating Vendor Income Analysis faster than designated time period saving 100 hours of manual effort every month.
- **Partner's Award:**at Target for Vendor Income Analysis.
- **Research/Travel grant reviewer-GPSA:** Reviewing and approving grant applications from candidates in research.

Languages and Technologies

- C;C++;Python; C#.NET; SQL; JavaScript; AngularJs; JQuery; R; HTML5; CSS3; d3.js; postgresql;
- Vim; Visual Studio; Microsoft SQL Server; Teradata;WebStorm; PyCharm; IIS; Linux power user;

Portfolio Website[1]

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[1]www.nakulchawla.com