Ankit Jain

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EDUCATION

Master of Science, Computer Science (GPA 3.44/4.0)
University at Buffalo, The State University of New York   Feb 2015

Bachelor of Engineering, Electronics & Telecommunication
Shri G.S. Inst. of Science and Technology, Indore, India   May 2011

TECHNICAL SKILLS

C#, Java, Python, T-SQL, PL/SQL, Web Services, Big Data, Hadoop, UNIX, Oracle, MS SQL Server, HTML, JavaScript, Solr, R, J2EE

WORK EXPERIENCE

Software Engineer, BDNA Corporation, USA   March 2015 – Present
Skills: C#, Java, Elastic Search, WCF, Entity Framework, Pentaho, RESTful Services, SOAP, T-SQL, PL/SQL, MySQL, Oracle, Git, Jenkins
- Enhancing BDNA Data Platform by designing and developing connectors using C#, SQL queries & 3rd party SDK's (VMWare vSphere SDK) to extract customer's IT data from different discovery tool data sources (like vCenter Server, SCCM, Service Now, HP UD, Tanium, HP NA, HP NNMI etc.)
- Elastic Search performance and optimization, ETL process for continuously bulk importing catalog data from SQL Server/Oracle into Elastic Search
- Designing and implementing License Management System (using Entity Framework) and web services infrastructure (using WCF and RESTful web services) on top of License System that generates and authenticates licenses for various BDNA products.
- Automating the build, Continuous Integration (CI) and deployment process.
- Develop and maintain scripts and automation tools used to build, integrate, and deploy monthly updates and patch sets to customers.

Technical Intern, Synopsys, USA   May 2014 – Aug 2014
Skills: VB, Java, JavaScript, SAP BW, SAP-BO DS, SAP-ABAP, R Programming, Machine Learning, MongoDB, Python, pymongo
- Analyzed Synopsys customer satisfaction survey data using Tree Based Methods and Bayesian Models in R Studio in order to discover aspects of Synopsys R&D products/service that most influence overall satisfaction of customers.
- Sentiment Analysis of Synopsys sample customer reviews survey data to identify areas of improvement of customer satisfaction.
- Implemented a prototype to replace BW 'Role Menu' by creating a BSP application using SAP-ABAP, HTML, CSS and JavaScript

Graduate Assistant, SUNY Research Foundation, USA   Sep 2013 – Dec 2014
Skills: ColdFusion, HTML, JavaScript, MS SQL Server, MS Visual Studio for web, IIS
- Developing and maintaining UB Community websites using ColdFusion, CFWheels framework, HTML, CSS, and JavaScript.
- Developed and deployed database-driven web application for UB CAT project in ASP.NET 4.0

Systems Engineer, Infosys Technologies Limited, India   Jun 2011 – Jul 2013
Skills: Java, J2EE, Oracle, PL/SQL, Data Warehousing, UNIX
- Worked as an application programmer, developed a dashboard using Java to display critical live data and other reports.
- Reduced manual efforts by 15-20% by developing an automated patching tool using UNIX shell programming for incremental loading of data from different billing systems into one.

ACADEMIC PROJECTS

Implementing Biomedical Data Warehouse and Mining Association Rules from Gene Expression Data   Fall – 2014
Skills: Java, SQL, Data Warehousing, Machine Learning, Data Mining, Statistics
- Implementing a clinical and genomic data warehouse based on Bio Star schema design and performing regular and statistical OLAP operations to support knowledge discovery.
- Creating a Java application to mine association rules based on the given templates using Apriori algorithm.
- Implementing different clustering algorithms such as K-means and Hierarchical Agglomerative clustering using Java and plotting the results with PCA library in MATLAB.

Data Intensive Analyzer for Sentiment Analysis, Content Retrieval, and Storage of Big Data   Spring - 2014
Skills: Big Data, R, Hadoop, Map-Reduce (MR), Java, Python, MongoDB, pymongo
- Collected data from twitter with Twitter4J API and analyzed it for word count, #tags, @twitternames and other data trends by mining tweets through Pairs Stripes, K-Means and Graph algorithms.
- Analyzed twitter data through MongoDB Aggregation framework and its python driver pymongo.

Question Answering (QA) based Search Engine over Wikipedia corpus   Fall - 2013
Skills: Java, Apache Solr, Apache Lucene, SolrJ, Search APIs, HTML
- Implemented text processing program in Java to analyze and parse data including their tokenization and normalization.
- Integrated Apache Solr libraries to produce indexes; implemented features included autosuggest, spellcheck & faceted search.