

Sharad Tanwar

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EDUCATION

University of Illinois at Chicago (UIC)

M.S. in Computer Science

Aug 2014 – May 2016

GPA: 3.63/4.0

Maharshi Dayanand University (MDU), India

B.E. in Information Technology (Honors Distinction)

Aug 2006 – May 2010

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, PL/SQL.

Frameworks & Platforms: Hadoop, Spark, MS Azure, AWS, Oracle EBS, Unix shell, NodeJS, HTML, CSS, jQuery.

Miscellaneous: Oracle, MySQL, MongoDB, SQL Server, d3JS, LeafletJS, AngularJS, Git, REST, Hibernate, JSON.

Coursework: Visual Analytics, Data and Web Semantics, Databases, Natural Language Processing, Machine Learning.

WORK EXPERIENCE

Redmane Technology, Software Developer

Jun 2016 - Present

- Implementing IBM Curam through customization for various social programs across different state governments.
- Technologies: Java, DB2, IBM Curam.

Center for Research Informatics, UIC, Research Developer

Jan 2015 - May 2016

- Developing visualizations, metrics and data modeling to improve patient enrollment for research study.
- Technologies: AngularJS, Python, LeafletJS, Java, D3JS, MySQL, REST API, SpagoBI, Tableau Reports.

Deloitte, Technology Analyst

Jul 2013 – Aug 2014

- Modeled data and implemented Oracle ERP-based applications for renowned manufacturing corporations.
- Technologies: Oracle E-Business Suite, Oracle RICE Components, Oracle Reports, Java, PL/SQL.

Infosys Limited, Senior Systems Engineer

Nov 2010 – Jun 2013

- Developed multiple interfaces (over 30k lines) for ERP Integration for Fortune 500 corporations.
- Improved client business by 30% through ETL, system integration and critical go-live support.
- Technologies: PL/SQL, Java, Oracle EBS, Oracle Reports, ETL using Oracle ODI.

RELEVANT PROJECTS

Visualization Projects (3 Projects)

Aug 2014 - Dec 2014

- Visualized Real-Time Big Data problems to showcase effective human-computer interaction.
- Effectively visualize public transit and geo map features with real time updates and notifications.
- Technologies: JavaScript, AngularJS, jQuery, D3JS, LeafletJS, HighCharts.JS, PHP, Python.

SFPark Project

Mar 2015 - May 2015

- Designed multiple algorithms with metric based comparison for alleviating parking problems in a metropolis.
- Technologies: JavaScript, MySQL, PHP.

OAEI Instance Matching Track

Oct 2015 – Dec 2015

- Achieved best in class F-Measure (92.3%) in author disambiguation task in OAEI Competition.
- Technologies: Java, Agreement Maker, Wordnet, Stanford Parser, OpenNLP Parser

OAEI Ontology Matching

Sept 2015 – Oct 2015

- Designed algorithms for automatic matching of educational ontologies in OAEI Competition.
- Technologies: Java, Agreement Maker Lite, Wordnet, Stanford Parser, OpenNLP Parser.

Big Data Projects

Dec 2015 – Jan 2016

- Implemented various map reduce operations, data loading, data streaming and complex queries in Hadoop.
- Technologies: Apache Hadoop, Apache Spark, Java, Python, SMOOOP, Hive, Flume, HBASE.

Automatic Essay Grader (NLP)

Mar 2015 – May 2015

- Implemented an automatic essay grader with spell check, grammar check and co-reference resolution.
- Technologies: Java, Python, Stanford Parser, NLTK, Lucence Solr, Wordnet.

CERTIFICATIONS AND AWARDS

- **Sun Certified Java Programmer (SCJP)**
- **Deloitte Spot Award** in recognition of exemplary client work.
- Successfully Completed **Big Data Hadoop Training** at Indian Institute of Hardware Technology (IIHT).
- Certified **IBM Curam Developer (v 6.2)**.