

AKSHI SHARMA

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OBJECTIVE

To achieve a challenging position in a high quality environment that encourages innovative thinking, fosters career development and leverages my work experience.

EDUCATION

Advanced Certification in Business Intelligence

University Francois Rabelais Tours, France

Feb/2016-Jul/2016

Certification in Business Intelligence

University Libre de Bruxelles, Belgium

Sep/2015-Jan/2016

Bachelors of Technology (Information Technology)

University Institute of Information Technology, Shimla, Himachal Pradesh

Aug/2007-Sep/2011

Academic Projects Completed:

Optimization Strategies in Trajectory Mining:

Optimization is vital for data mining. Many reasons slow down the mining activity, especially in the case of trajectory mining where the biggest problem is the over explosion of candidate trajectory paths and thus leading to a high computational time. Many iterations are performed to achieve an optimal solution. The main objective of the project was to research and implement techniques in order to optimize the computational time for trajectory clustering while maintaining the quality of the clusters.

A Customized Search Engine for French Scientific Publications:

Many search engines (Eg: Google Scholar) use Natural Languages Processing (NLP) techniques and machine learning to allow the users to query and obtain high-quality results in an academic environment. The goal of this project was to implement basic indexation and search facilities for the scientific domain catering French publications.

Analysis of Scientific Publications:

As the availability of the scientific publications and venues has raised over the past few years through various data channels, one can analyze data and get decision support to increase the visibility and to have a better understanding of the historical records.

The project detailed objectives were:

- Data integration: automation of data integration by means of ETL scripts, identification of problems to be corrected by a human expert, diagnostic of data quality before and after the integration.
- Data warehouse design and implementation: modelling, design and optimization of a data warehouse in the presence of a need-driven workload.
- OLAP analysis of the warehouse as a basis for future analyses, including navigations and relevant conclusions.

PROFESSIONAL EXPERIENCE

Analyst Programmer, Fidelity Worldwide Investment, India

Aug/2014 – Aug/2015

Role: Data Quality Analyst and BI Report Developer

- **Functional expertise:** Finance
- **Data Hygiene:** Implementing Metadata Repositories, Maintaining Data Quality, Data profiling, Data Cleanup procedures, Data Standards and Data Governance program using Informatica Data Quality (IDQ) Tool.
- **Data Integration:** Implementing data mart utilizing Pentaho as the solution platform, providing business insight into daily operations with well-defined structured automatically delivered metrics.
- **Database Performance:** Monitoring, tuning and analyzing database performance and allocating server resources to achieve optimum database performance.
- **Reporting solutions:** Reporting through OBIEE dashboards—generating trends on daily data health checks.

Software Engineer, Tech Mahindra Limited, India

Jun/2012 – Aug/2014

Role: Data Warehouse and BI Report Developer

- **Functional expertise:** Retail and Telecommunication
- **Data Modeling:** Designed and constructed Data warehouse and Data Mart (OLAP) schema.
- **Data Integration:** Designed and tuned ETL mappings and sessions, code and document scripts, autosys jobs for data warehouse processes using Pentaho and SSIS.
- **Data Analysis:** Developed dimensional modeling, Star schemas and Cubes development using Cognos.
- **Reporting solutions:** Implemented general reporting methodologies like bursting, Cross tabs, charts, metadata, drill-downs/ through and cubes with tools like Cognos and OBIEE.

ACHIEVEMENTS

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| – Erasmus+ Mobility Scholarship | 2015 |
| – Director's Award at Fidelity Worldwide Investments for automation of the data quality checks. | 2014 |
| – Associate of the Month at Tech Mahindra Limited | 2014 |
| – Star Performer Award at Tech Mahindra Limited | 2013 |

CERTIFICATIONS

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| – IBM Cognos 10 BI Author Certified | 2014 |
| – IBM Cognos 10 BI Metadata Modeler Certified | 2013 |