

# SWATHI S

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## SUMMARY OF QUALIFICATIONS

- ✦ **Data Analyst/Business Intelligence Developer** with **4 plus** years of experience in Analysis, Design, development, Testing and Implementation and production support.
- ✦ Extensive experience in **Tableau** Desktop in various versions of Tableau 8x/9x/10x
- ✦ In-depth knowledge in **MicroStrategy** in various versions of 9x in generating deep analytical insights.
- ✦ Good at Data Warehouse Techniques, Dimensional Modelling, Star and Snowflake schema.
- ✦ Proficient in Data Analysis with sound knowledge in extraction of data from various database sources like **MySQL**, **MSSQL**, **Oracle** and other database systems.
- ✦ Developed Merge jobs in **Python** to extract and load data into MSSQL and Oracle databases.
- ✦ Experience in creating **Time Series Analysis** in **R** using Regression Modelling.
- ✦ Involve Good Experience at creating User Groups, Assigning User Permissions and Sharing Dashboards/reports over Tableau Online/Server to target User Groups
- ✦ Experience in translating legacy scripts code to python scripts
- ✦ Responsible for writing **SQL** Queries, Dynamic-queries, sub-queries and complex joins for generating Complex Stored Procedures, User-defined Functions and Views.
- ✦ Strong analytical skills with the ability to collect, organize, analyze, and disseminate significant amounts of information with attention to detail and accuracy
- ✦ Extensively knowledgeable and used Tableau Concepts like Joins and **Data Blending** in various scenarios.
- ✦ Hands on experience with all phases of Software Development Lifecycle (**SDLC**) and **agile** methodologies
- ✦ Fully authorized to work in the United States without sponsorship.

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## TECHNICAL SKILLS

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|---------------|--|
| DB Languages: | SQL, T-SQL                             |
| DS Languages: | Python, R                              |
| Databases:    | Oracle, MS SQL Server, Teradata, MySQL |
| BI Tools:     | Tableau, MicroStrategy                 |
| Platforms:    | Windows                                |

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## EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN, Texas  
**Certification in Data Analytics** (Currently Enrolled, 2018-2019)

VELLORE INSTITUTE OF TECHNOLOGY, Vellore, India  
**M.S in Software Engineering**

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## Key Projects

### **Cognizant Technology Solutions**

**June 2013- Apr 2015**

#### **Data Analyst**

- ✦ Developed Ad-hoc reports using **Tableau** Desktop using data from Excel files and Databases.
- ✦ Working with business users in gathering, analyzing, documenting requirements and translate them into **KPI's** and metrics for reporting.
- ✦ Worked with the Credit and Data Analytics Team (Data, Reporting, Credit Risk) to solve and analyze business problems.
- ✦ Extracted and loaded data using **Python** scripts and SQL packages.
- ✦ Used **Python** scripts to extract weekly information to provide regular information to the client. Developed **Python** scripts to clean the raw data.
- ✦ Performed Data Analysis using **SQL** and Excel skills, to profile data to identify data quality issues analyze for accuracy, to extract specific information, Data Testing and Data flows and creating appropriate Dashboards.
- ✦ Built Tableau visualizations by connecting to various Data Sources Relational Databases (Oracle, SQL Server) hosted on **AWS** environment.
- ✦ Performed Data Analysis and Data validation by writing complex SQL queries against the SQL Server database.
- ✦ Designed and Optimized Data Connections, Data Extracts, Schedules for Background Tasks and Incremental Refresh for the weekly and monthly dashboard reports on Tableau Server.
- ✦ Wrote complex SQL queries using advanced SQL concepts like aggregate functions, Group By and OLAP (Online Analytical Functions).
- ✦ Wrote queries to fetch data from different table by using JOINS, Sub-queries, Correlated sub-queries and derived tables on SQL Server Platform
- ✦ Developed interactive Dashboards regarding Job Trends for Senior Management Using **Visualizations** like Dual Axis Bar Graphs, Donut Charts, Histogram and Waterfall charts in **Tableau**.
- ✦ Collaborated with functional teams to ensure effective testing and minimal issues post implementation

### **Cognizant Technology Solutions**

**May 2011- May2013**

#### **Data Analyst**

- ✦ Developed interactive **Dashboards** using Visualizations like Dual Axis Bar Graphs, Bar charts and Scatter Plots using **Tableau**.
- ✦ Acquire data from primary or secondary data sources and maintain databases/data systems
- ✦ Identify, analyze, and interpret trends or patterns in complex data sets
- ✦ Define, design and develop complex/nested **SQL** queries or extracts for dashboards.
- ✦ Establish standards and best practices for dashboards and related technologies for the project.
- ✦ Manage dashboard repository and optimize content.
- ✦ Wrote **Python** scripts to parse XML documents and load the data in database.
- ✦ Developed **Python** scripts to clean the raw data.
- ✦ Design and create data visualizations (reports and dashboards) as required to support business needs.
- ✦ Define, design and develop complex/nested **SQL** queries or extracts for dashboards.
- ✦ Establish standards and best practices for dashboards and related technologies for the project.
- ✦ Manage dashboard repository and optimize content.

***Intern(MicroStrategy)***

- ✦ Prepared project plan by gathering/analyzing client input, updated business users regarding project status, analyzed requirements and designed project workflow
- ✦ Involved in regular scrum meetings
- ✦ Developed Dashboards and Documents using bubble chart, interactive bubble chart, heat map, gauge, microcharts and simple graphs using **MicroStrategy** 9.2.1.
- ✦ Enhance and fine tune the existing dashboards/reports.
- ✦ Performance tuning of reports that were executing for long time.
- ✦ Re-designing of the old reports to new format as per the business standards.
- ✦ Enhancing, updating and maintaining the Views, Triggers, Cursors and Indexes.
- ✦ Created MSTR architect component: tables, attributes, facts from scratch.
- ✦ Created Intelligent Cubes and reports based on them.
- ✦ Created Drill Maps to drill up, down and across unrelated hierarchies in reports.
- ✦ Conducted unit testing for the developed reports using **SQL**