

# Sai Teja Sircilla

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## Data Analyst

- **3+** years of experience in **Data Analysis, Business Intelligence**, Data mining with large data sets of Structured and Unstructured data, **Data Visualization**, Statistical analysis and predictive modeling to derive Business Decisions. Adept in statistical programming language like **Python**.
- Working Expertise in all phases of Software Development Life Cycle (**SDLC**) using methodologies like **Waterfall** and **Agile**.
- Experience in using different packages in **Python**- like **NLP, pandas, NumPy, Seaborn, SciPy, Matplotlib** and with **scikit-learn**.
- Proficient in designing stunning visualizations using **Tableau** software and publishing and presenting dashboards, Storyline on web and desktop platforms.
- Good knowledge of Machine Learning, Mathematical Modeling and Operations Research. Experience with **Python** and Relational databases.
- Experienced with Integration Services (**SSIS**), Reporting Service (**SSRS**) and Analysis Services (**SSAS**).
- Hands on experience in database design using **PL/SQL** to write **Stored Procedures, Functions, Triggers** and Good experience in writing complex queries.
- Have good working experience of No **SQL** database like **PostgreSQL** and **MongoDB**.
- Worked and extracted data from various database sources like **Oracle, SQL Server**, regularly accessing **JIRA** tool and other internal issue trackers for the Project development.
- Experience in creating visualizations, interactive dashboards, reports and data stories using **Tableau**.
- Performed Data Analysis on the Analytic data present in **AWS** using **SQL, Python, SQL Workbench**.
- Experience in managing code on **GitHub**.
- Strong understanding of the principles of **Data warehousing**, Fact Tables, Dimension Tables, Star and Snowflake schema modeling.
- Highly creative, innovative, committed, intellectually curious, business savvy with good communication and interpersonal skills.

## Skills

SDLC, Agile, Waterfall, Python, NumPy, Pandas, matplotlib, SciPy, SSRS, SSIS, SSAS, SQL, PL/SQL, XML, Oracle, SQL Server, MySQL, MongoDB, PostgreSQL, Informatica, Tableau, GitHub, MS Office, MS Project, AWS, JIRA, SQL Workbench, Windows

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## Educational Background

**Masters of Science in Computer Science(GPA: 3.5)** | Western Illinois University, Macomb, IL  
**Bachelors in computer Science (GPA: 3.3)** | Vidya Jyothi Institute of Technology, Hyderabad, India

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## Professional Experience

**Data Analyst | Liberty Mutual Insurance, MA**

Feb 2019 – Current

### Responsibilities:

- Involved in complete software development life cycle (**SDLC**) - Requirement Analysis, Conceptual Design, and Detail design, Development, System Testing.
- Generating various capacity planning **reports** (graphical) using **Python packages** like **NumPy, pandas, matplotlib**.

- Performed **Data analysis and Data profiling** using **complex SQL** on various sources systems including **Oracle** and **MS SQL Server**.
- Worked closely with the **ETL SSIS** Developers to explain the complex **Data Transformation** using Logic.
- Performed **data exploratory, data visualizations, and feature selections** using **Python**.
- Cleaned input text data using **Python**.
- Managed datasets using **Panda** data frames and **MySQL**, queried MYSQL relational database(RDBMS) queries from python using **Python-MySQL** connector **MySQL** DB package to retrieve information.
- Managing the **Reporting/Dashboarding** for the **Keymetrics** of the business using **Tableau**.
- Perform troubleshooting, fixed and deployed many **Python** bug fixes of the two main applications that were a main source of data for both customers and internal service team.

**Data Analyst | Kpit Technologies, India**

Jan 2015 – Dec 2016

**Responsibilities:**

- Utilized the **Waterfall methodology** of development for **Requirements, Planning, Design, and Deployment**.
- Imported the claims data into **Python** using **Pandas** libraries and performed various data analysis.
- Generated **PL/SQL** scripts for data manipulation, validation and materialized views for remote instances.
- Created action filters, parameters and calculated sets for preparing dashboards and worksheets to represent by using **Tableau**.
- Designed and implemented data integration modules for Extract/Transform/Load (**ETL**) functions.
- Worked on exporting reports in multiple formats including **MS Word, Excel, CSV** and **PDF**.
- Creating and managing scheme objects such as **tables, views, clusters, Indexes, Procedures, triggers** and **maintained Referential Integrity**.
- Upgraded the present application by adding new functionalities and adding new reports.
- Extensively used **SQL** for accessing and manipulating database systems.
- Migrated data from different sources (text-based files, Excel spreadsheets, and Access) to **SQL Server** databases using SQL Server Integration Services (**SSIS**).
- Created ad-hoc reports using SQL server Reporting Services (**SSRS**).
- Created reports from data warehouse using **SSRS** i.e. Drill Down, Drill Through, Sub Reports, Charts, Table.