

# Rajdeep Sodha

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## EDUCATION

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### University of Mumbai

*Bachelor of Information Technology*

Score: 7.83 CGPA

*Aug. 2017 – May. 2020*

### MSBTE

*Diploma in Information Technology*

Score: 84.76% (Distinction)

*Aug. 2014 – June. 2017*

## EXPERIENCE

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### Data Engineer

*Tata Consultancy Service*

Aug 2020 – Present

*Mumbai, India*

*Lloyds Banking Group*

*Oct 2022 - Present*

- Leveraged Python, BeautifulSoup, Selenium, Pandas, NumPy, and SQLAlchemy to efficiently scrape, extract, clean, and manipulate data from various UK public registers. Ensured seamless data processing for analysis and storage.
- Expanded data collection capabilities by writing Python scripts to fetch data from external APIs and storing in Oracle DB, enabling access to a wider range of data sources. Enhanced data collection efficiency and enriched the available datasets.
- Implemented simultaneous data cleaning during Python script execution, reducing the overall data cleaning and extraction process from approximately 2 working days to just 5 hours. Increased efficiency and streamlined data preparation.
- Created PowerBI dashboards for the executive team, facilitating data analysis and understanding of data quality. Achieved a significant reduction in error rates by 95%, supporting strategic decision-making at the organizational level.

*TCS Ultimatix*

*Aug 2020 - Sep 2022*

- Implemented an end-to-end ETL pipeline in Python and SAP HANA, improving customer billing compliance by 80%.
- Optimized ETL script to reduce runtime by 60% and resolve major bottlenecks independently.
- Developed 50+ risk scenarios using Python and SAP HANA, aligning with use cases provided by the finance team.
- Redesigned Jenkins UI to align with user requirements and adhere to TCS standards.
- Executed end-to-end data lifecycle activities with a focus on data gathering, pre-processing, cleaning, analysis, modeling, and visualization.
- Proficient in GCP's BigQuery for efficient data processing and familiar with other big data technologies.

## PROJECTS

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### PyShare | Python, Tkinter

- Developed a GUI desktop application using Tkinter based on UDP protocol for sharing of files of diverse formats and automatically store them in their respective folders based on the extension type.
- Skillfully utilized os, thread, socket, and subprocess libraries to implement a highly optimized and multi-threaded transfer system, resulting in faster performance.

### Worldometer | Python, Scrapy, SQLite3

- Developed a Python script leveraging Scrapy to proficiently collect and analyze multi-year population data from various countries.
- Implemented robust data cleaning methodologies to ensure utmost accuracy and reliability.
- Effectively stored the processed information in an SQLite database, facilitating seamless data retrieval and enabling informed decision-making.

## TECHNICAL SKILLS

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**Languages:** Python, PySpark, Java, SQL (Postgres/Oracle), R

**Developer Tools:** Git, PowerBI, Docker, Google Cloud Platform, VS Code, PyCharm, Eclipse, Jenkins

**Libraries:** Pandas, NumPy, Matplotlib, SQLAlchemy, Scrapy, Selenium, BeautifulSoup4

## PUBLICATION

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**Bird Species Identifier using Convolutional Neural Network, IJERT, Feb 2021**

## CERTIFICATION

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**Google Cloud Certified - Professional Data Engineer** by Google

**Qlik Sense Qualification Exam – Business Analyst 2022**

**MTA: Security Fundamentals - Certified 2017** by Microsoft

## ACHIEVEMENT

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**Awarded star of the month twice at TCS.**

**Received star team award thrice at TCS.**