

# Sarthak Chandel

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## About

Innovative Software Engineer with 2+ years of expertise in Python development. Proficient in databases, clouds and configuring data governance features. Skilled in ensuring database functionality, integrity and data management.

## Experience

<b>Data Engineer</b>	<b>Dataeaze</b>	01/2023 - Present
<ul style="list-style-type: none"><li>Administered Data Governance through a centralized catalog system, supporting 20+ connectors, built on a Django server.</li><li>Developed suites for CLI, API testing, decreasing manual efforts and increasing execution time by 110%.</li><li>Remodeled the deployment of the backend server, shifted to on an auto-managed scalable docker container, cutting application crashes by 170%. Mitigated crashes caused by large data loads, enhancing stability.</li><li>Optimized data processing functionalities by 200% using PySpark, reducing API response times by upto 350%.</li><li>Facilitated client projects on a need-to-need basis, primarily dealing with ETL pipelines and other POCs, resulting in a 40% increase in data processing efficiency and successful delivery of 5+ client solutions.</li><li>Crafted 3 pivotal functionalities (Query Analysis, Access Control, Data Profiling) to fortify a robust data governance solution.</li></ul>		
<b>SDET Intern</b>	<b>Commvault</b>	01/2022 - 05/2022
<ul style="list-style-type: none"><li>Managed backup and restoration processes of client data on Commvault's data management infrastructure.</li><li>Automated validation for 100+ test cases and manually validated 40+ test cases.</li><li>Implementing and setting up Selenium and REST API automated testing for one of the backup agents, enhancing efficiency by 130% and accuracy by 25% in testing procedures.</li></ul>		
<b>Data Science Intern</b>	<b>SenseGrow</b>	06/2021 - 08/2021
<ul style="list-style-type: none"><li>Designed a POC to prevent machine failures in industrial-grade IoT devices, which picked up Thermal, Ultrasound, Vibrational data, by coalescing advanced data science and signal processing techniques.</li><li>Implemented EMD, EEMD, and CEEMDAN decomposition algorithms to analyze Intrinsic Mode Functions (IMFs) and identify relevant features.</li><li>Collaborated in developing an unsupervised clustering model to detect signals indicative of potential machine faults, improving predictive maintenance strategies by 28%.</li></ul>		
<b>Data Intern</b>	<b>DataMi</b>	04/2020 - 07/2020
<ul style="list-style-type: none"><li>Automated backend operations to streamline functionality and enhance efficiency by 60% and accuracy by 35%.</li><li>Implemented real-time synchronization of disparate sheets to a master sheet using the Google Sheets plugin for JavaScript scripts.</li></ul>		

## Skills

**Programming Languages:** Python, SQL, Spark, Java, Javascript

**Tools and Databases:** GCP, AWS, Azure, Snowflake, Kafka, Excel, Tableau, Git, Linux, Redshift, Athena, MySQL, PostgreSQL, MongoDB, BigQuery, Django, GCS, EC2, ECS, ECR, Databricks, Docker, Data Flow, ADF, ETL, ELT

**Languages:** English (native), Hindi (native)

**Other Skills:** Data Engineering, Data Analytics, Machine Learning, Web Development, Game Development

## Education

<b>Manipal University</b>	Jaipur, Rajasthan	
B.Tech in Information Technology	<b>CGPA: 8.47</b>	07/2018 - 07/2022

## Certifications

- IBM Data Engineering Professional Certificate, IBM, 08/2022, [Credential Link](#)
- Google Data Analytics Professional Certificate, Google, 04/2022, [Credential Link](#)