

# GAURAV MADAN

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## Associate - Projects (Sr. Developer)

Motivated and passionate coding enthusiast with overall professional experience of 5+ years, possessing proficient understanding of the knowledge of quality data workflow and analysis. Experienced in handling large datasets with good expertise in Python, Oracle SQL, PySpark and Hive technologies. I'm actively engaged in enhancing my skills in BigData/Hadoop and Computer Vision domain with an aim to gain proficiency in the same. I am dedicated to enhancing both my personal growth and organizational success through innovative solutions in the realm of big data engineering.

## Technical Skills

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- **Big data Ecosystem:** HDFS, Hive, Python, PySpark, SQL, Autosys and AzureDevops
- **Languages & Frameworks:** Python, Pyspark, Pandas and SQL
- **Platforms:** Windows, Linux

## Work Experience

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### Cognizant Technology Services

#### Sr. Developer

**Nov 2022 - Present**

- Modeled and built Hive tables, combining structured and unstructured data sources for optimized access
- Developed Pyspark code for data transformation and analysis, troubleshooting and ensuring optimal performance and reliability.
- Utilized Hive for data ingestion and storage, handling various file formats and optimizing data processing. Implemented data partitioning strategies in Hive to enhance query performance on large datasets.
- Responsible for mapping the objectivity of the customer's requirements over the source data and securely publishing it to desired targets.
- Crafted 20+ DQM checks across 8 franchises with SQL scripts to ensure data quality and consistency.
- Creating build and release pipelines and deploying the code in QA and Production environment.
- Creating and monitoring Autosys jobs for successful data transfer and generating model recommendations.

### Tata Consultancy Services

#### Developer

**Jun 2019 - Oct 2022**

- Responsible for designing, developing, deployment and execution of key performance indicators as per the metrics provided by the stakeholders.

- Developed automation tools by writing scripts in VBA, identified the system enhancements wherever required, handling adhoc requests of the client.
- Developed complex SQL queries along with designing, execution of workflows & sessions in Informatica ETL tool to identify the discrepancies and to maintain the data quality.
- Maintained and updated the dashboard developed on tableau as per new demands and fixes.
- Performed detailed analysis on large datasets to identify the required metrics and generated inferences, presenting the derived inferences to clients by designing and developing tableau views/ dashboards.

### **Workflow Analyst**

**Apr 2021 - Aug 2021**

- Collaborated with team members in the analysis, development and delivery of all support and project work for assigned application(s).
- Trained a team to develop complex SQL scripts as per client's requirements, maintaining utmost quality with specified timelines.
- Developing SQL scripts as per the client's specification and validating it against a set of benchmarks to ensure that the desired data is always available with the expected quality.
- Consulted with stakeholders and team members to develop technical solutions to complex business problems.

## **Education Qualification**

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### **2015 - 2019 : Kurukshetra University**

- B.Tech - Computer Science and Engineering
- 1st Division (76%)

### **2014 - 2015 : CBSE Board**

- Higher Secondary Education
- Scored 76%

## **Skills**

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- Problem Analysis & Solving
- Leadership
- Effective Communication
- Teamwork

## **Languages**

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- English (Fluent)
- Hindi (Fluent)
- Punjabi (Basic)