

# Harsh Gupta

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## SKILLS SUMMARY

- **Languages** Python, C, C++, HTML, DAX, SQL
- **Tools** Git, Power BI, VS Code, Power Automate, SQL Server Management Studio
- **Technologies/Frameworks** Spark, Azure Databricks, Azure Synapse, Azure Data Factory, Azure Data Lake, Microsoft Fabric, Tabular Model, SQL Server, CI/CD, Azure DevOps, GitHub

## EXPERIENCE

- **MAQ Software** Noida, India
  - *Software Engineer 1* *July 2023 - Current*
    - **Migrated the data flow** from an upstream source to a downstream system by eliminating an intermediate server. Previously, data was pulled from the source at fixed intervals, resulting in a three-hour delay. The new process allows for immediate data retrieval as soon as it becomes available, significantly speeding up the overall process and **speed up the execution by three hours**.
    - **Developed Power BI reports** that aided business decisions, leading to operational cost reduction and profit maximization upto **65%**.
    - **Optimised Power BI Reports** by reducing the PLT by **70-80%** leading to smooth experience for the client.
    - Designed, validated, and published **10+ Power BI reports** aligned with business needs and best practices, consolidating all critical information into a single dashboard. This solution reduced the client's **data analysis effort by 60%**.
    - **Optimized data pipelines**, resulting in a 55-75 minute reduction in refresh time which is about **50 to 60%** of initial refresh time.
    - Created a **Report Usage Metric Report for Total Workspaces** showing data which includes trends such as Report Open Trend, Report Views Trend, Report Viewers, etc. The report is widely used by an American-based food organization and **provides insights for almost 99%** of their different stores.
    - Contributed to organizational growth through active roles in **Quality Assurance, Training, and Code Review**.
  - *Associate Software Engineer* *Jan 2023 - July 2023*
    - Created an **ETL pipeline** to perform transformations on data from various sources, making the transformed data **80-90%** more useful for the clients.
    - Created various **Azure Databricks Notebooks** for implementing data cleaning, data transformation, and data processing from various sources.
    - Implemented a logging system for ETL operations using Apache Spark, **enhancing monitoring and troubleshooting capabilities** throughout the data processing pipeline.

## EDUCATION

- **G.L. Bajaj Institute Of Technology and Management** Greater Noida, India
  - *B.Tech in Computer Science Engineering; CGPA: 8.47* *Aug 2019 - Jun 2023*

## PERSONAL PROJECTS

- **Demographic Data Analyzer** [↗](#) | *Python, Here API, Flask, Machine Learning*
  - **Developed a machine learning project**, to help businesses select optimal outlet locations by analyzing factors like amenities, budget, and proximity.
  - **Improved decision-making efficiency by 20%** using real-world datasets and data visualization techniques.
  - Simplified the process of identifying **ideal business locations, contributing to a projected 15% increase in performance and profitability**.
  - Collaborated with team of 3 students, **impacting over 10 users during testing and validation phases**.
- **LBSA System** [↗](#) | *C Programming*
  - Developed a **LBSA Project** that stands for **Link Between Student and Administration Project**.
  - **Integrated messaging system** for real-time communication, including announcements, inquiries, and feedback.
  - A platform for students to provide feedback on **services, policies, and campus life**, which can be reviewed by administration.

## CERTIFICATION

- **Microsoft Certified** [Fabric Analytics Engineer Associate](#) [↗](#)
- **EF-SET** [EF Standard English Test](#) [↗](#)

## ACHEIVEMENTS

- **Received client appreciation** for resolving production issues in minimal time, leading to a smooth-running ETL process.
- **Received appreciation** from my reporting senior for assisting my juniors with their tasks, leading to a smooth onboarding process into the team.