RITESH PATEL

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EDUCATION

Sal College Of Engineering, Ahmedabad   **2021 − 2024**
B.Tech - Information Technology - **CGPA - 7.60**   *Ahmedabad, Gujarat*

Khyati School Of Engineering, Ahmedabad   **2018 − 2021**
Diploma - Information Technology - **CGPA - 8.63**   *Ahmedabad, Gujarat*

EXPERIENCE

Intern at TecBix   **December 2024 - March 2025**
Role - Data Analyst/Data Engineer   *Ahmedabad, Gujarat*

- Designed and developed scalable data pipelines using **Azure Data Factory(ADF)** to automate the ingestion of data from diverse sources including cloud storage and databases, ensuring timely and reliable data availability
- Performed **Data transformation**, cleaning, and exploratory analysis using **Python(pandas/Numpy)** to uncover patterns and generate actionable insights, supporting strategic business decisions across departments.
- Created interactive dashboards and performance reports in **Power BI**, enabling stakeholders to monitor key metrics in real time and make informed, data-driven decisions.

Intern at TechnoStark Solutions   **December 2023 - April 2024**
Role - Angular Developer   *Ahmedabad, Gujarat*

- Implemented and maintained UI components in **AngularJS** and **Tailwind CSS** for an admin panel, seamlessly integrating backend functionalities powered by **MySQL**.
- Translated **Figma designs** into functional user interface elements, ensuring responsiveness, code efficiency, and reusability.
- Utilized **Git** for version control, managing code repositories and following an **Agile** software development environment for efficient collaboration and delivery.

PROJECTS

Enterprise On-Prem ETL Using ADF | ADF, Azure Data Lake   **April 2025**

- Initiated data modernization by extracting critical datasets from **On-Premises** systems using **Azure Data Factory (ADF)** with Self-hosted Integration Runtime, enabling secure and reliable movement of legacy data to the cloud.
- Built dynamic **ETL pipelines** with Control Flows and Scheduled **Triggers** in ADF to automate data ingestion, ensuring continuous, up-to-date data flow without manual intervention.
- Delivered a trusted, cloud-based data foundation that seamlessly integrated with **Power BI** dashboards, empowering stakeholders with real-time insights and improved decision-making.

Data Optimization Using Medallion Architecture | Databricks,Pyspark **April 2025**

- Processed and optimized **20 GB** of raw data using **PySpark** on **Azure Databricks**, implementing scalable data cleaning and transformation workflows.
- Structured the pipeline using the **Medallion Architecture** (Bronze, Silver, Gold) to progressively refine data for downstream analytics.
- Utilized **Delta Lake** for data versioning, ACID transactions, and applied performance optimization techniques like **Repartitioning and Caching**, resulting in a **40% improvement** in processing time and more efficient resource usage.
- Delivered a reliable and maintainable pipeline by applying schema evolution, **Partitioning strategies**, and Spark best practices.

TECHNICAL SKILLS

Languages: Python, SQL, Selenium, Javascript,
Technologies/Frameworks: Pyspark,Azure Data Factory (ADF), Azure Databricks, Azure Data Lake, Delta Lake, Apache Spark
Developer Tools: VS Code, Azure Portal, Databricks Notebooks, Git

CERTIFICATIONS

- **Web Design :** from Figma to Webflow