

# Ankit Ranjan

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[LinkedIn](#) | [Portfolio](#) | [Github](#)

**Profile : Databricks Certified Data Engineer expertise in building efficient ETL Pipeline that ensure seamless, robust and consistent high data integrity.**

## EXPERIENCE

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### Freelance: Data Engineer

Sept 2024 - Present

- Successfully designed and delivered the SmartStream ETL Pipeline in the Data Engineering domain using AWS.
- Optimized ETL pipelines in **AWS Glue** for orchestration, leveraging S3 to improve data performance and scalability.
- Transformed data using **PySpark** and Data Flow, applying Spark configurations for memory management.
- Enhanced big data processing efficiency by implementing bucketization and broadcast joins, achieving an **approx 45% reduction** in processing time while ensuring seamless data distribution and scalability.

### R Systems International: Data Engineer

July 2023 - July 2024

- Built execution flow of raw data through Lambda and Step Functions and monitored multiple services in **AWS**.
- Engineered and implemented an efficient **ETL pipeline** in Databricks, ensuring reliable and scalable data processing.
- Developed and optimized code in Databricks Workflow to enhance performance, improving **job efficiency by 40%** and significantly reducing **processing time from 7 hours to 1.5 hours**.
- Collaborated in Dimension Modelling, conducted RCA for pipeline failures, identified root causes and implemented corrective measures, increasing pipeline **accuracy by 35%**, ensuring seamless and consistent data delivery.

### Codencreative: Frontend Developer Intern

July 2022 - Sept. 2022

- Crafted engaging and interactive UIs for diverse projects using HTML, CSS, JavaScript, Bootstrap, and **React**.
- Converted frontend codebases into React, enhancing reliability and **scalability by 40%** using multiple **React hooks**.
- Contributed to an e-commerce app, focusing on UI development and enhancing user experience using css.

## SKILL

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**Language :** C , C++ , Python.

**Big Data Technologies :** Apache Spark, Databricks, ETL, Delta Lake, Data Warehousing, Azure Data Factory, HDFS.

**Cloud Platforms :** AWS(S3, Lambda, Redshift, Step Functions), Azure(ADLS Gen2, Synapse Analytics, Key Vault).

**Libraries/Framework :** HTML, CSS , Bootstrap , Javascript, React Js , Tailwind, REST API, Git.

## PROJECTS

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### F1 - Formula1 Racing ([Link](#))

- **Transformed** unstructured F1 racing data into a reliable and accurate single-table format for efficient analysis.
- Developed and managed robust data pipelines using Azure Data Factory for efficient and scalable ETL process.
- Applying **Medallion Three-Level Architecture** for optimized data Transformation as per the efficiency requirements.
- Uses **Delta Lake** for efficiently storing data into the ADLS and securely implementing **Unity Catalog** in solutions.

## CERTIFICATIONS & ACHIEVEMENTS

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- Databricks **Certified** Data Engineer Associate. ([Link](#))
- AWS Solution Architect Associate - Udemy.
- Hackathon - AutoISV Innovation Quest - **Rank 3**. ([Link](#))
- CodeKaze - Global Coding Event by Coding Ninjas Secured **College Rank 1**. ([Link](#))
- Techgig - Open Coding Contest Secured **Global Rank 317** over 50,000 + Participants. ([Link](#))
- **Data Structure & Problem Solving :** Codechef - 3\*, Geeks for Geeks - 1000+ Points, Solved 300+ Problems.

## EDUCATION

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**Amritsar College Of Engineering & Technology , Amritsar**

*Bachelor of Technology in Computer Science*

*2019-2023*

*C.G.P.A: 7.7*