DEBRAJ MONDAL

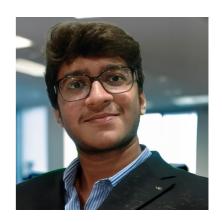## PYSPARK ETL DEVELOPER

MOBILE
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EMAIL
debraj123mondal@gmail.com

LOCATION
Kolkata, INDIA

EXPERIENCE
2 Years 1 Month

PROFILE SUMMARY

Certified Big Data PySpark ETL Developer with 2+ years of expertise in Python, PySpark, SQL, and Shell Scripting. Proficient in Big Data tools and Cloud services with AWS and Microsoft certifications. Known for designing and implementing high-performance data processing pipelines and ensuring data quality in large-scale environments.

KEY SKILLS

- Pyspark
- SQL
- Python
- Java
- Shell Scripting
- Hadoop
- Hive
- Informatica Powercenter
- PLSQL
- Django Framework
- Reltio MDM
- AWS
- HTML/CSS

WORK EXPERIENCE

Pyspark ETL Developer
Cognizant
Feb 2023 - Present

- Developed, tested, and maintained ETL data processing pipelines using Python, Bash, PySpark, and big data technologies (HDFS, YARN, Hive, Sqoop) within the insurance domain to ensure efficient data integration, management, and analysis.
- Engineered innovative automated tools that significantly reduced manual efforts, minimized errors, and achieved cost savings for clients.
- Ensured data quality and consistency through UT, SIT, and RT in the ETL pipelines.

INTERNSHIP

Cognizant
Data Integration Full Stack Internship
7 Months

- Acquired comprehensive training in SQL, JAVA, PYTHON, UNIX Shell Scripting, Big Data, Data Warehousing, and AWS during the internship.
- Developed proficiency in ETL tools such as Informatica PowerCenter, IICS, Talend, DataStage, and Ab Initio for Data Integration.

CERTIFICATION

- AWS Certified Machine Learning - Specialty
  12/2023 - 12/2026

- AWS Certified Solutions Architect - Associate
  12/2023 - 12/2026

- AWS Certified Cloud Practitioner
  12/2023 - 12/2026

- Microsoft Certified: Azure Data Fundamentals
  06/2023 - Does not expire

- Microsoft Certified: Azure Fundamentals
  06/2023 - Does not expire

- Databricks Certified Data Engineer Associate
  04/2024 - 04/2026

- SnowPro Core Certification
  04/2024 - 04/2026

- RELTIO Technical Consultant Intermediate Certification
  01/2025 - 01/2027

- Informatica MDM Implementation Practitioner
  11/2023 - Does not expire

SOCIAL LINKS

- **LinkedIn**
  https://www.linkedin.com/in/debraj-mondal-/

- **GitHub**
  https://github.com/Deb-Code-Hub

LANGUAGES

- **English**

- **Bengali**

- **Hindi**

EDUCATION

B.Tech/B.E. - Computers

2022

Future Institute of Technology, Kolkata

Grade - 9.2/10

PROJECTS

Developed Industry-Level ETL Pipelines Using PySpark

25 Months

- Developed ETL pipelines to ingest and curate historical and active data, monitoring CDC and Non-CDC changes from GWCC, SCM, and various data models such as Lifesuite and P360 DASH. This data was stored in the DW on the CDP using PySpark and Hive, leveraging ADLS Gen2 for storage. Clients utilize this data for analysis and reporting, improving decision-making and maintaining historical data.
- Awarded excellence certificates for developing automated tools (source data profiler, testing tool, and real-time MuleSoft schema validator) during innovation sprints, significantly increasing data profiling, testing, and schema syncing efficiency and accuracy for clients.

Data Integration of University Analytics System

3 Months

- Leveraged Informatica PowerCenter to integrate data from various sources into a Data Warehouse with a Star Schema, incorporating Slowly Changing Dimensions (Type I and II).
- Implemented an efficient data integration system for clients, ensuring accurate and timely data transfers.

DeepPerception- A Computer Vision Website

7 Months

A computer vision website, developed using Django and deployed locally, featuring seamless real-time video processing. Acclaimed for its innovative use of diverse computer vision technologies, including:
- Color Detection using HSV: Identifies colors in real-time.
- Object Detection using YOLOv3: Detects and classifies objects.
- Sign Language Detection using SSD: Recognizes sign

language gestures.
- Face Recognition using HOG + Linear SVM: Recognizes faces in real-time.
- Handwriting Recognition using CNN: Analyzes and recognizes handwritten text.

HOBBIES

- Cooking

- Swimming

- Arts & Crafts