Vandana Arya

Big Data Engineer

Skilled Data Engineer with 3 years of expertise in Big Data for delivering impactful solutions for enhanced data workflows and analytics

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WORK EXPERIENCE

Associate Engineer Detect Technologies

11/2022 - Present

Achievements/Tasks

- Implemented lakehouse architecture using delta lake to support both transactions and analysis on the same system removing data redundancy
- Enhanced performance of spark jobs by 37% analyzing execution through spark UI, optimizing the resources and following strategic optimization techniques reducing 29% processing time
- Closely collaborated with 2 cross functional team, providing data lake solution on HDFS for raw, clean and processed data, with Hive tables facilitating a 36% efficiency for cleaning and processing pipelines
- Leaded a POC for resource calculation in a team of 2. resulting in a 25% improvement in query performance

Engineer - Cloud and Infra Services Larsen & Toubro Infotech

01/2021 - 11/2022

Banaalore

Achievements/Tasks

- Mentored a team of 4 new joiners, imparting business logic and implementation skills, leading to 27% improvement in overall team efficiency
- Implemented 3 end-to-end data ingestion and processing pipeline using ADF extracting data from AWS S3, MySQL, http into ADLS, processing with Databricks and populating in Azure SQL Database
- Executed comprehensive data cleaning with Databricks enhancing efficiency for 2 cross-functional teams
- Migrated data from on-prem to Azure cloud using ADF

RPA Engineer

Unilever Industries Pvt. Ltd.

01/2020 - 05/2020 (Internship)

Bangalore

- Efficiently automated 4 tasks accelerating processing time by 56% and conserving 9 man hours

EDUCATION

Bachelor of Engineering

Visvesvaraya Technological University

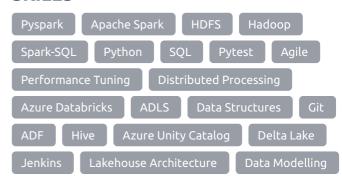
08/2016 - 08/2020

CGPA - 8.5

Electronics and Communication Engineering

- Developed Unique Face Identification system improving accuracy up to 95% enhancing the face detection based security system

SKILLS



ACHIEVEMENTS

Alumni Services Coordinator (10/2023)

Conducted interviews with **50** college final year students equipping for real-world job interviews

Orated Career Insights, Fostering Success (10/2023)

Led impactful career awareness session for over **500** final-year students bridging academic-industry gap for successful career transitions with best practices

Outstanding Performer (06/2022)

Recognized by the team lead for achieving top performance in a team of **11** members, demonstrating outstanding proficiency and dedication

Published an IEEE journal on unique face Identification based on ML (09/2020)

Journal presents a face detection system with ML algorithms, enhancing security system accuracy by 95%

CERTIFICATES

Azure Databricks - Delta Engine and Delta Architecture (01/2024 - Present)

Knowledgeable about Delta Engine and Delta Architecture implementation on Azure Databricks

Distributed Processing with Pyspark (10/2023 - Present)

Certified for data processing with pyspark high level APIs, spark and yarn architecture with other functionality for developing highly performant

Distributed Storage and Processing Fundamentals (09/2023 - Present)

Holds a good knowledge for data storage and processing in a distributed environment

Microsoft Certified: Azure Data Fundamentals (DP 900) (2021 - Present)

Foundational knowledge of core data concepts and implementations using Microsoft Azure data services

LANGUAGES

Full Professional Proficiency

Native or Bilingual Proficiency