

# KOUSTAV MALICK

Software Developer

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## WORK EXPERIENCE

### DEUTSCHE BANK | ASSOCIATE (BIG DATA)

Pune, IN | Apr 2022 - Present

- **Designed and Developed** Scala-Spark common ETL framework to be used across project for running Jobs in GCP, as a part of GCP OnBoarding Strategy for DBVolt Project.  
Stacks: Spark, Scala, Maven
- **Designed a Scala-Spark based Independent Decision Making** Framework to provide conclusion based on column values of Data based on **Row based Matching Algorithm**, which is able to run **both on GCP and Cloudera Supported Environment**, reducing **7 daily-machine-hours to 3-5 minutes**.  
Stacks: Scala, Spark, Shell, BigQuery, Hive, Impala, Beeline  
Domain: Volcker, Covered Funds, Regulatory
- **Created multiple Airflow DAGs** to schedule various jobs in the project.  
Stacks: Python, AirFlow
- **Designed and Developed AirFlow DAG Code Generator** based on simple **JSON** input from User, and can be used by any project in the Organisation.  
Stacks: Python, Jinja, AirFlow

### DEUTSCHE BANK | SENIOR ANALYST (BIG DATA)

Pune, IN | Apr 2020 – Mar 2022

- **Designed an ETL framework** responsible to **ingest and process** daily data on trades and positions, optimising the processing time of more than **5TB of trades and positions data** received daily **from 3 days to approx. 16 mins**  
Stacks: Scala, Spark, Shell, Hive, Impala, Beeline  
Domain: Volcker, Regulatory Reporting
- **Designed and Developed** a reporting solution replacing **COGNOS** to generate and send day-end pdf/xlsx reports to end users to meet Volcker 2.0 Regulatory Compliance, saving **thousands of dollars** a year in licensing for the Organisation.  
Stacks: Python, HTML, CSS, Java, Spring, Shell  
Domain: Volcker, Regulatory Reporting
- **Involved in the CDP Upgrade Strategy** from v5 to v7 for the complete Volcker project comprising of **100+ repositories** streamlining the **inter-dependency management**.  
Stacks: Maven
- **Optimised End-To-End Pipeline Execution Time** to comply with **Regulatory SLA** in accordance with new **Volcker 2.0 regulatory norms**.

### DEUTSCHE BANK | ANALYST (BIG DATA)

Pune, IN | July, 2019 - Mar, 2020

- **Developed a ETL framework** for ingesting feed, simplifying the existing framework from ingesting **40+ different sources to a single accumulated feed**.  
Stacks: Spark, Scala, Hive, SQL
- **Automated End-To-End testing application** for Ingestion Layer saving **approx 80 man-hours a month**.  
Stacks: Spark, Scala, Java, Spring, SQL, Hive
- **Designed a framework to support project allocation** for new-joiners matching their priority, technical skillset and project requirements.  
Stacks: Python, SQL

## SKILLS

Languages: Scala, Bash, Java 8, Python

FrameWork: Apache Spark, Hadoop, Map Reduce, Maven, Hive, Apache AirFlow

Software Development: Spring Framework, Oracle, Agile, GCP, Git, JIRA

## AWARDS

- Part of Team which received India Excellency Awards in Deutsche Bank.
- Achieved 9th Position in Dabble (Hackathon Organised in Deutsche Bank on Multi-National Organisation Level).
- Completed Associate Level GCP Training with Distinction, held by Deutsche Bank(DBCE).
- Received Joint 3rd Position award in IdeaBox, an event organised in Deutsche Bank Multi-National Organisation Level.
- Recipient of KVPY Scholarship for graduation Years (2015-2019).

## EDUCATION

### **B.E || Electronics and Tele-Communication Engineering**

Kolkata, IN | 2019

JADAVPUR UNIVERSITY

GPA: 8/10

Relevant Coursework: Data Structures and Algorithms; Operating Systems; DBMS

### **10+2 || WBCHSE**

Katwa, IN | 2015

KATWA KASHIRAM DAS INSTITUTION

GPA: 92.6%

### **10th || WBBSE**

Katwa, IN | 2013

KATWA KASHIRAM DAS INSTITUTION

GPA: 93.7%