



DEBDEEP BANDYOPADHYAY

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EDUCATION

TECHNO INDIA, SALT LAKE

B.TECH, ELECTRICAL ENGINEERING

MAKAUT | 2015 - 2019

CGPA: **7.91 / 10**

DAV MODEL SCHOOL

XII | CBSE | 2013 - 2015

Percentage: **88.83%**

ST. MICHAEL'S SCHOOL

X | ICSE | 2001 - 2013

Percentage: **89.50%**

LINKS

Datacamp:// [bandyopadhyaydebdeep](#)

Leetcode:// [idebdeep](#)

Hackerrank:// [dbdeep](#)

Github:// [dbdeep](#)

EXTRACURRICULAR

- Volunteer Leader, Child Rights And You

- Volunteer, TCS Maitree

OTHER SKILLS

Spark Spark ML Scala

Python HBase HDFS

Oozie Airflow Kafka

AWS Azure Google Cloud

Computer Vision NLP IoT

Git Snowflake Beam

CERTIFICATION

- Product Manager nanodegree, Udacity

- Data Engineering nanodegree, Udacity

- GCP Professional Data Engineer

- GCP Professional ML Engineer

- DP-203 Azure Data Engineer

- DP-100 Azure Data Scientist

Clickable badges



EXPERIENCE

TATA CONSULTANCY SERVICES – DIGITAL CADRE | DATA ENGINEER.

May 2019 - Present | Kolkata, India

CLIENT: Toyota Financial Services

Jun 2019 - July 2020

- Worked on migrating on-premise [Oracle Hyperion Planning](#) and [Hyperion Financial Management](#) to their cloud versions namely [Planning and Budgeting Cloud Services \(PBCS\)](#) and [Financial Consolidation and Close Cloud \(FCCS\)](#). Implemented and automated various business rules using [Groovy REST API](#), Windows Batch Scripts, [EPM Automate & MDX](#) scripts and improved many job performance by 2-5x.
- Worked with realtime telematics sensor data received in [Azure Event Hub](#) and created [Azure Databricks PySpark streaming](#) notebooks for validation, enrichment and processing of JSON data, stored and encrypted the data in [Azure Data Lake \(ADLS\)](#) or [Cosmos DB](#) and called [Azure Data Factory](#) pipelines from within notebook to segregate the data into [Cosmos DB](#), [S3](#) or [ADLS](#). Also added and improved various exceptions to the notebook.
- Ingested audit, invoice and order data from NAS location and created refined delta tables in [Databricks](#).

CLIENT: Lands' End

Aug 2020 - Dec 2020

- Handled operations for Digital marketing Data science team. Modified and improved scripts for ingesting data from various API's and generating dynamic promotions, smart pricing, price clarity, suppression, ad-ratio and seo-sitemap feeds written in [Spark](#).
- Created automated [Airflow](#) dags for calling these scripts in [AWS EMR](#), [Glue](#) and storing the outbound feeds in [Redshift](#) or [S3](#).

CLIENT: British Telecom

Jan 2021 - present

- Working in DevOps team for processing various data related to customer mobile platforms and customer subscription services.
- Streamlined various data pre-processing, deduplication, transformations, imputations and joins using [Spark](#), [Scala](#), [Shell-Scripts](#), [Hive](#), [Sqoop](#), [Oozie](#) in [Cloudera hue](#) and optimized various spark jobs using caching, broadcast joins, data structures and spark conf tuning, repartitioning and vcore optimization.
- Created near realtime event based trigger in oozie for ingesting and processing 80+ inbound feeds and scripted spark jobs for generating various outbound feed like Billing, Bad-debt, Enriched SAP reports, Billed and Unbilled revenue feeds etc.
- Working with solution architects and component designers in identifying various critical points for migrating Big data workloads from [Cloudera Hue](#) to [Google Cloud Platform](#). Also built POC using GCP services like [Bigquery](#), [Dataproc](#), [Dataflow](#), [Pub-Sub](#), [Cloud Composer](#) and [Cloud storage](#).
- Have extensive knowledge of Dockerized containers and CI/CD pipelines for seamless deployments.

AWARDS ACHIEVEMENTS

- Qualified GATE EE in 2020 with rank 2798 out of 90k candidates.
- Secured various ranks, awards and badges at online coding platforms, hackathons and Tata internal competitions