SUBHABRATA **DASGUPTA**

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SAP Certified HANA Data Analytics Engineer with 3 years of experience in native HANA modelling and application development. Data Engineer with experience in designing and implementing ETL pipelines using SQL and R procedure in HANA. Experience with SAP Data Intelligence for data engineering and ML Ops. Experienced in independently trouble shooting and handling Data Engineering problems using GCP.

EXPERIENCE

JUNE 2018 – PRESENT
ASSOCIATE CONSULTANT, **CAPGEMINI TECHNOLOGY SERVICES**

Intelligent Asset Management and Predictive Maintenance System:
- Enabled IoT and ML scenarios in SAP PDMS for a consumer packaged goods (CPG) manufacturing client.
- Implemented data preparation, training and scoring pipeline for classification model using **native HANA SQL** and **R** – Reducing production down time.
- Achieved data fabric and data lake implementation in SAP HANA and realized the best strategy for designing pipelines to meet client specifications
- Developed a messaging system using **MQTT** for real-time data ingestion from IoT sensors to SAP HANA – decreasing latency of data significantly.
- Designed **Node JS** orchestration framework for real-time alerting of failures in production pipelines.
- Created digital twins for the manufacturing equipment in **SAP PDMS**.

Native HANA Modelling:
- Created **information models** (calculation views) on top of database tables and SAP BW to expose business values for reporting and visualization in SAP Business Objects.
- Optimized complex and expensive queries by 25% using **planViz** and best practices for SAP HANA development.
- Created **stored procedures**, **table functions**, **triggers**, **jobs**, **xsjs** scripts and **OData** services for multiple application developments.
- Created delta enabled **CDS view** based extractor, to replace BW standard extractors in Migration project.

Data engineering and Analytics using SAP Data Intelligence:
- Created complex data transformation pipelines in **SAP Data Intelligence** for AI/ML use cases.
- Developed model training and inferencing graphs using containerized images in **Docker**.
- Achieved Digital Transformation using Sap Data Intelligence.
- Created training content and conducted hands-on training sessions for SAP Data Intelligence.

SAP Insights and Data COE Team:
- Developed solutions and proof of concepts for SAP Center of Excellence team using **SAP HANA XSA**, **Node JS**, **SAP UI5**, **OData** and **Python**.
- Integrated source systems with SAP cloud platform using **cloud connector** and **destination** services.
- Designed and developed front-end applications using SAP UI5, which communicated with the backed using Node.js
- Created Machine learning inferencing APIs using **Python Flask**.
- Created training content for SAP HANA XSA – full stack development (HDI Containers, node JS and UI5) and conducted training on HANA XSA and **SAP Leonardo** ML Foundation.

CERTIFICATIONS AND ACTIVITIES

SAP Certified Development Associate - SAP HANA 2.0 (SPS03) *Feb, 2020*
  SAP HANA XSA – HDI Containers, Node JS, UI5 and Security

SAP Certified Development Associate - SAP Fiori Application Developer *Jul, 2020*
  SAP UI5, CDS, OData, FES/BES and JavaScript

SAP Data Intelligence Partner workshop *Aug, 2019*
  SAP DI product capability, features testing, positioning in intelligent enterprise

Data Engineering with Google Cloud Specialization from Coursera *Jan, 2021*
  GCP Services – Big Query, Pub Sub, Dataflow, GCS, DataProc and AI Platform

SAP Certified Development Associate - SAP Cloud Platform *Jul, 2020*
  SCP, Connectivity, Integration, Cloud Foundry and Services.

SAP Certified Application Associate - SAP Cloud Platform Integration *Aug, 2020*
  SAP CPI, iFlow, Cloud Native Application Development.

Machine Learning with Python (Cognitive class AI IBM) *Jul, 2019*
  Supervised and Unsupervised – Regression, Classification, Clustering and
  Recommendation

Python for Data Science (Cognitive class AI IBM) *Jan, 2019*
  Numpy, Pandas, Matplotlib and ScikitLearn

TECHNICAL SKILLS

Technologies:	SAP Native HANA, XSA, SAP Data Intelligence, Docker, Kubernetes, SAP UI5, SAP CAI (recast.ai), Google Big Query, Pub Sub, Dataflow.
Languages:	Python, R, JavaScript, Node.js, SQL
Frameworks:	Fiori, Flask, Express
Methodology:	Agile, Waterfall
Interests:	Data Engineering, Cloud Computing, Big Data, Machine Learning

EDUCATION

JUNE 2014 – MAY 2018 KOLKATA
BACHELOR OF TECHNOLOGY**, WEST BENGAL UNIVERSITY OF TECHNOLOGY**
Computer Science and Engineering 7.71 CGPA

APRIL 2013 – MARCH 2014 KOLKATA
ISC**, SRI AUROBINDO INSTITUTE OF EDUCATION**
Physics, chemistry, Math and Computer Science 89.25%

APRIL 2011 – MARCH 2012 KOLKATA
ICSE**, SRI AUROBINDO INSTITUTE OF EDUCATION**
Science, Math and Computers 85.25%