

# KAUSHAL DABHI

+49-176-356-80347 @ kaushalmdabhi@gmail.com www.kaushaldabhi.com  
Berlin, DE linkedin.com/in/kaushal-dabhi github.com/kaushal3312

## EDUCATION

M.S Big Data and Artificial Intelligence 09/2019 - 05/2022  
SRH Berlin University of Applied Sciences Berlin, Germany

B.Tech Computer Engineering 08/2013 - 06/2017  
Indus University Ahmedabad, India  
GPA | 7.0 / 10

## EXPERIENCE

Data Science Working Student 01/2021 - 04/2022  
Insight by Value Berlin, Germany

- Developed Machine Learning models using ARIMA, SARIMA, Fast Fourier Transform to perform short-term Intraday power forecast and adjustments
- Developed ELT pipeline to extract semi-structured data from Data sources or using REST APIs, cleaning/formatting the data as per the requirements of stakeholders, and create a data lake in Google Cloud Platform (GCP) for further usage for ML models and analysis.
- Performed time series data analysis to compare wind and SPV forecasts to actual data.
- Evaluating model accuracy using MAE/RMSE of pre-built ML models by comparing forecasts to actual data for various regions of EU power market and make reports.
- Implement Computer Vision on satellite images to detect clouds or fog on spv panels

Backend Developer Intern 07/2020 - 09/2020  
energenious.eu Berlin, Germany

- Developed a microservice Producer-Broker-Consumer architecture in Microgrid product to ingest real-time data using Apache Kafka, RabbitMQ and upload it to AWS S3 bucket using Python Boto3, Node.js and MinIO
- Implemented advanced features of Apache Kafka-python to be used as a message brokering system with one producer, two or more than two consumers, and topic partition to implement at-most-once, at-least-once and exactly-once delivery of messages

Product Engineer 12/2017 - 06/2018  
Sanctum Networks Ltd. Bengaluru, India

- Built end-to-end data simulation project where pool of n users' data is created and ingested continuously in the portal to test the scalability of the company's SDN product using Python, Apache Kafka, MongoDB
- Generated Log Report files for end-to-end data simulation project to check the success-failure ratio of simulated data and increase the scalability of the product by 33%
- Programmed manual test cases of various Wifi-orchestration commands using Python unittest framework and automated the test cases using Jenkins framework

Software Engineering Intern 07/2017 - 11/2017  
Sanctum Networks Ltd. Bengaluru, India

- Developed network applications using Django REST API for SDN product
- Developed a simple message passing project in PyKafka where Wifi Orchestration messages are iterated repeatedly to a network and checked whether the orchestration is successful or unsuccessful to make the company's SDN product bug-proof with every newly released version

## SKILLS

### Programming

Python · R

### Data

ELT Pipelines · Kafka · Data Analysis · REST API · PySpark · Airflow · Docker · Kubernetes · Django · PostgreSQL · MongoDB · Git · Jenkins · RabbitMQ · Redshift · BigQuery · dbt

### Cloud

AWS · GCP

## STRENGTHS

### + Communication Skills

Able to boil down complex subjects to others. Patient, understanding, willing to help, is how my colleagues describe me.

### ✍ Creativity

I put all my creative effort into finding a solution.

### 🎯 Result-oriented

I always make sure my team is on the right path.

## PROJECTS / COURSES

Thesis: Evaluate Content-Based and Collaborative Based Filtering and make Hybrid Based Movie Recommendation System

Machine Learning A-Z: Hands on Data Science with Python and R on Udemey

AWS Certified Solutions Architect - Associate 2021 - Udemey (Pursuing)