ANURAG KUMAR MISHRA

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OBJECTIVE

Pursuing MS in Data Science at RWTH Aachen, Aachen. Experienced data science professional with a demonstrated history of working with varied verticals of machine learning. Action-oriented with an ownership mindset and upright commitment.

PROFESSIONAL EXPERIENCE

Machine Learning Engineer   **Mar 2022 - Present**
Celonis - Aachen, DE

- Developed a product/framework on **Root Cause Analysis** for time-series like data **using Bayesian networks with causal machine learning** application in the Applied ML team.
- Profiled and refactored the **existing MLOps pipelines and internal objects** to reduce the memory consumption by 40%.

Data Scientist   **Jan 2020 – Sep 2021**
McKinsey & Company – Gurugram, India

- Developed and deployed multiple **set-point optimization** models and **object-segmentation models** within client projects in processing plants in the Global energy and materials domain.
- Worked on **development and modification of data science toolkit** called OptimusAI, with refactoring of code-base leading to **reduction of time complexity by 38%.**
- Designed and implemented problems involving **structured prediction, unsupervised Learning & Representation Learning with sensor data for anomaly detection.**

Machine Learning Engineer   **July 2017 – Dec 2019**
HSBC Software - Pune, India

- Designed and Implemented **document classification and categorization model via image fingerprinting**, reducing the turn-around of the support team by 46%.
- Developed and deployed a conversational chatbot for internal users using **Rasa-NLU**. Also, developed a **Retriever-Reader model** using the **Question Answering framework** with python and elastic-search.

EDUCATION

Master of Science, Data Science   **Oct 2021 - Present**
RWTH Aachen *(Current ECTS 2.3/4)*
Working in research in Vision-Language models

Bachelor of Engineering, Computer Science   Oct 2021   **Jun 2013 - 2017**
Graduated with Distinction. CGPA 8.1/10
University of Pune - Pune, India

ADDITIONAL SKILLS

Specialization: **vision, vision-Language models and self-supervised paradigm**
Programming Language: **Python**, Java, C++.
ML Frameworks: **PyTorch**, Jax, Tf2 || ML Ops: **Mlflow**, Kedro, Airflow, W&B