

Jai Chandak

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Kowloon, Hong Kong

PROFILE A diligent engineer having diverse work experience in engineering and IT. Highly motivated individual with a passion and practice in ETL and data analysis. Eager to leverage strong analytical skills in SQL, Azure and AWS to contribute to data-driven decision-making.

EDUCATION

2022 – 2024 MSc - Communications and Multimedia Engineering
with special emphasis in Statistics and Data Science
University of Erlangen-Nürnberg, Germany

2016 - 2020 BEng - Electrical and Electronic Engineering
University of Bath, UK

EXPERIENCE

2024 **Data Scientist Intern**
Fraunhofer IIS, Germany

- Designed and automated end-to-end machine learning pipelines for analysis of production sensor meters
- Orchestrated tasks using Python and Airflow within AWS
- Improved operational workflow by 20%

2023 **Machine Learning Research Intern**
University of Erlangen-Nürnberg, Germany

- Developed and tested data-free pruning methods for image classification models on PyTorch
- Compressed models to 25% of their original size with minimal loss in prediction accuracy

2022 - 2023 **Junior Data Analyst**
Preface Coding, Hong Kong

- Built ETL (Extract, Transform, Load) pipelines to extract transactional and event data from a web app with 20000 users.
- Performed advanced analytics functions and data modelling
- Utilised SQL and Power BI to create 15+ dashboards and ad hoc reports to support the business with making data-driven decisions

SKILLS

- Python
- SQL (Postgre, MySQL)
- AWS
- Apache Spark
- Apache Airflow