

SUMMARY

AI Engineer with 4 years of technical experience bridging data engineering and AI. Specialized in building production-grade data pipelines on Azure Cloud and Databricks, with hands-on expertise in GenAI applications. Proven track record of translating complex requirements into scalable solutions—from architecting ETL pipelines that achieved 13x performance optimization to developing AI-driven prediction market analyzers and cognitive science-based learning algorithms. Proficient in the modern AI engineering stack including Python, prompt engineering, and CI/CD workflows. Currently advancing AI capabilities through experimental projects in sentiment analysis and adaptive learning systems.

SELECTED
AI PROJECT
EXPERIENCE

- Cognitive Science-Based Language Learning App

Present

 - Architecting a flashcard application integrating dynamic AI algorithms. Based on Spaced Repetition Systems (SRS) and Active Recall principles to optimize long-term memory retention.
 - Translating over a decade of cognitive science research into executable algorithms, creating a custom review scheduling engine.
 - Developing interactive testing modules that adapt to user performance, aimed at maximizing vocabulary acquisition efficiency.
- AI-Driven Prediction Market Analyzer

Present

 - Engineering autonomous AI agents to monitor prediction markets, integrating real-time data pipelines.
 - Deployed LLM-based profile simulation and sentiment analysis to aggregate and interpret unstructured data from news and social media, correlating public opinion with market odds.
- AI Writing Assistant (suspended due to compliance risk)

2022-2024

 - Led the development of a GenAI writing assistant tailored for candidates applying for well-known universities. In addition to product management responsibilities, I actively engaged in prompt engineering and developed an innovative GenAI testing pipeline. Served 25 customers and achieved DKK 75K in GMV.
- Master Thesis: Multimodal Visual Attention with Deep Learning

2021

 - Transformed a video architecture into a multimodal system by adding audio processing. I built a robust pipeline using Python, TensorFlow, and Google Cloud Platform, and optimized it via Google TPUs and TensorFlow profiling to drive a 24x increase in training efficiency.

WORK
EXPERIENCE

- Analytics / Data Engineer, Postnord / Copenhagen

Sep 2024 - Present

 - Translated complex business logic into production code while managing CI/CD release processes for seamless deployments.
 - Modernized reporting architecture by re-engineering legacy logic into optimized SQL on Databricks.
 - Orchestrated scalable data workflows via Azure Data Factory to ensure automated and reliable data delivery.

IT Consultant, Capgemini / Copenhagen**Sep 2021 - Aug 2024**Legacy Migration Project in TDC A/S

- Led a dynamic QA team and engineered an automated testing pipeline using Python, significantly reducing manual testing hours and ensuring data accuracy across migrated solutions.
- Spearheaded the migration of 30+ mission-critical legacy reports from T-SQL to Databricks SQL, resulting in modernized data processing standards.

BI Development Project in Essity AB

- Achieved a 13x performance improvement in daily data processing by re-architecting robust ETL pipelines with PySpark, Databricks, and Azure Data Lake.
- Collaborated with analysts to deploy high-impact PowerBI reporting solutions, directly enabling data-driven strategic decisions across the organization.

BI Development Project in Nets A/S

- Engineered a fraud prevention data product currently utilized by major Danish banks, processing high-volume financial transaction data.

Student Assistant, Neurons AI, Copenhagen**Feb 2021 - July 2021**

- Cooperated master thesis: using AI to predict human visual fixation on videos.
- Improved existing models by integrating audio information
- Optimised data pipeline and distributed model training by 6x.

Research Assistant, Tsinghua University, Beijing**June 2018 - Apr 2019**

- I participated in a joint research project in cognitive science and AI, implementing AI models with Python and authored academic paper.
- Implemented machine learning and predictive models. Visualised data for academic presentation.

Recruitment Consultant, Adecco, Taipei**Mar 2015 - Mar 2018**

I specialized in talent recruitment and managed client relationships effectively.
Earned top-performing new employee by achieving the highest sales.

EDUCATION**MSc., IT and Cognition, Copenhagen University****BSc., Psychology, National Taiwan University**

KEY SKILLS

- Databricks, Delta table, Spark
- ETL Data Pipeline
- Azure Cloud Stack
- Python, SQL
- Git, CI/ CD

CERTIFICATIONS

- Databricks Professional Data Engineer
- Azure Data Scientist
- Azure Data Fundamental
- Azure AI Engineer