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Qualifications Summary

Diligent and analytical graduate with experience in IT projects, using problem-solving skills and structured approaches to improve project outcomes. Highly motivated to develop machine learning models and AI/ML solutions that drive practical improvements or value. Experienced in designing machine learning systems, statistical modelling for analysis and implementing advanced ML techniques.

Machine Learning & Data Analysis

- Develops ML models using techniques like PCA, feature selection and clustering to extract information from complex data.
- Conducts quantitative analysis with exploratory factor analysis, regression modeling, and hypothesis testing to identify trends and patterns

Projects Management

- Successfully managed construction projects, ensuring timely completion within budget
- Skilled in leading diverse teams and integrating analytical methods with industry insights to improve project outcomes

Research & Strategic Planning

- Proficient in conducting in-depth research on foundational models, data mining, and predictive modeling, applying data visualization techniques
- Experienced in strategic planning, execution, and aligning testing with project objectives

Cross-functional communication

- Able to communicate complex technical concepts clearly to non-technical stakeholders.
- Committed to continuous learning and staying up to date with developments in data science, AI, and ML

Data Science Student

Gained proficiency in Machine Learning, Statistics, Algorithms & Data Structures, Data Visualization, Database Systems, Natural Language Processing, Software Engineering, and Interactive Dashboards. Researched foundational models for abstractive summarization and named entity recognition. Integrated approximate nearest neighbors and vector stores for semi-automated PEST analysis, identifying technologies and methodologies for data processing and information extraction.

EnviroProcess, Odder 2017 – 2021 Project Leader

Directed cross-functional teams to achieve project deliverables within scope and budget. Applied hybrid Scrum framework to coordinate internal and external team members, ensuring smooth transition and efficiency throughout project stages. Conducted stakeholder analysis and project planning.

- Maintained relentless dedication to task resolution, demonstrating adaptability and problem-solving prowess across various departments.

TDC Hosting, Tranbjerg 2016 – 2017 Test Manager

Managed test teams in both Denmark, England and India, contributing fresh perspectives and leveraging interpersonal skills to overcome challenges. Orchestrated planning, execution, and monitoring of all testing activities to ensure project delivery. Partnered with stakeholders to define project scope, requirements, and objectives, aligning testing with overall project goals.

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- Executed test management processes by implementing minimum variable workflow for managing test scenarios, reporting, and execution during project crisis.
- Implemented successful test management stages to improve application approval rates from 17% to 87%.

TDC Group, Tranbjerg 2019: Business Process Improvement Intern

Conducted a value stream analysis of operations technicians in telecommunications infrastructure to identify inefficiencies in administrative tasks. Measured task durations and productivity gaps, leading to a cost-effective proposal in collaboration with labor unions to enhance digital proficiency and reduce idle time.

- Identified avoidable idle time due to inefficient computer use, testing Windows OS shortcuts and blind typing training with technicians. This resulted in a 10-20% reduction in laptop task time, revealing a potential revenue increase of 10M to 350M DKK if scaled. The approach could be expanded across the workforce based on individual computer proficiency levels.
- Proposed a gamified learning platform to improve Windows proficiency and typing speed, offering a lower-cost alternative to other suggested initiatives while increasing workforce productivity.

Additional Experience as Back Office Administrator at EnviroProcess, Odder

Invixo Consulting, Aarhus 2019: Integration Intern

Worked with SAP integration suite and Datasphere

- Experimented containerized data provisioning agents for SAP Datasphere.

Lemon marketing & CC-Green, Odder 2024-25: Data & Business Analyst

Developed a business case for CC-Green and Lemon Marketing, evaluating ROI, CAPEX, and OPEX. Tested automation workflows with Zapier, Make.com, and Airtable for extracting legal directives in private construction. Applied regex for pattern extraction and explored extractive summarization for legal text processing. Structured an Airtable database, handling data preprocessing for frontend integration. Investigated an Azure-based backend setup for workflow support, assessing infrastructure costs and scalability.

Education

Master of science in Data Science ICT

University of Southern Denmark, Odense, 2023

Professional Bachelor, Economics & IT

Business Academy Aarhus

Conducted market analysis on the potential impact on Danish E-commerce by Amazon's entry to the Danish market

The International Butler Academy & Household Management

Private service & Household Management, Simpelveld, NL, 2018

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European Bartender School

Mixologist, Greece, 2011

Certifications

Azure Fundamental, Microsoft

Technical Proficiencies

JavaScript | Python | SQL | Docker | LangGraph | UML
| PyTorch | FastAPI | SonarCube | Tensorflow |
PyTorch

Languages

Danish | English

Brief Introduction

Honestly, this one grabbed me. The idea of working with live airport data to forecast passenger flow and movement patterns hits right at the intersection of systems thinking, real-time modeling, and practical problem-solving — all things I've been investing time and energy into throughout my studies.

Veovo's work with predictive models in high-stakes environments sounds like the kind of challenge I'm genuinely motivated by. My background in data science and economics has taught me to care about the interplay between infrastructure and decision-making — whether that's optimizing staff allocation, shortening queues, or making sense of patterns across noisy or multi-source datasets. It's not just about building models that work. It's about building models that help people make better decision-considerations.



What I bring to the table is a mix of analytical depth and applied mindset. I've worked with both univariate and multivariate statistical techniques, including regression, dimensionality reduction, and classification (LDA/QDA/logit). I've also done project work that merges real-world noise with structured models — extracting pattern signals from sources such as legal documents or business news via scraping and NLP. I work comfortably with Python and SQL, and I know what it means to structure an analysis for clarity, not just accuracy.

More importantly, I've learned to think and work iteratively. Whether it's calibrating a model, designing a filter engine, or validating queue patterns against live data — I'm used to questioning assumptions, looping through rare scenarios, and documenting decisions along the way. I've been part of cross-functional setups where fast feedback cycles and collaboration are essential. It's where I do my best work.

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- Solid foundation in statistical modeling and multivariate analysis, applied through academic projects.
 - Comfortable handling structured and unstructured data, with hands-on experience in Python and SQL.
 - Mindset for troubleshooting and continuous calibration, especially in real-time data scenarios.
 - Proven ability to collaborate with others and navigate ambiguity — backed by both academic work and practical team projects.

Let me know if there's time to talk. I'd really enjoy unpacking how I can support your growing projects.

Best,
Jannik Mangabat

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