


DAVID POSLUŠNÝ

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Education

Prague University of Economics and Business

Knowledge and Web Technologies · Quantitative Analysis

2023 – 2025

Master's degree

Prague University of Economics and Business

Applied Informatics

2019 – 2023

Bachelor's degree

Smíchovská střední průmyslová škola a gymnázium

Information Technologies

2015 – 2019

High school

Experience

Jesenice Municipal Office

IT Support

2017 – 2018

Department of Culture and Presentation

- Redesigned the city's official web.
- Designed websites for city's cultural events.
- Carried out data processing in Excel.
- Assisted in the operation of city's CzechPOINT office.

Projects

Exploration and Comparison of Transformers for Image Classification

Prague University of Economics and Business

2025

Master's thesis

- Designed comprehensive evaluation framework for Transformer-based models.
- Fine-tuned pre-trained Vision Transformer models (ViT, DeiT, Swin, CLIP) on diverse datasets.
- Designed complex experiments for comprehensive model evaluation.
- Conducted 120+ model training experiments across multiple domains.
- Implementation from scratch using PyTorch + HuggingFace's Transformers.
- Detailed comparison and visualization of results using Pandas + Seaborn.
- Published findings demonstrating superior performance of hierarchical Vision Transformers.
- Thesis passed with honors with recommendations for faculty award.

Portál dědice

Prague University of Economics and Business and Applifting

2025

Semester project

- Full-stack React + TypeScript application with GraphQL + Drizzle ORM + MySQL database
- Portál dědice is an innovative platform that connects heirs and notaries in one place.
- Application also offers an interactive guide through inheritance proceeding process.

Skills

Languages: Python, JavaScript, TypeScript, React, Java, C#, PHP, R

Machine Learning: PyTorch, TensorFlow, Transformers, Scikit-learn, SpaCy, NLTK

Deep Learning: Neural Networks, Transformers, Computer Vision, LLMs, Generative AI

Data Science: Statistical Analysis, Model Evaluation, Data Visualization

Others: Git, Markdown, SQL

Languages

Czech: Proficiency at native level

English: Knowledge to enable professional work