




DAVID POSLUŠNÝ

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Education

Prague University of Economics and Business

Knowledge and Web Technologies · Quantitative Analysis

2023 – Present

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

- Fine-tuned pre-trained Vision Transformer models (ViT, DeiT, Swin, CLIP) on new diverse datasets.
- Implementation from scratch using PyTorch + HuggingFace's Transformers.
- Comprehensive comparison and visualization of results using Pandas + Seaborn.
- *Expected defense in June 2025.

Design and implementation of an open source web application about cooking

Prague University of Economics and Business

2022

Bachelor's thesis

- Developed a social network focused on cooking, from initial analysis to final deployment as an open-source software.
- Conducted a comprehensive analysis of existing solutions to establish functional requirements for the application.
- Designed the application's architecture, database, user interface, and use cases.
- Implemented modern technologies, namely Spring Boot for the backend and React for the frontend.

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

Web Development: React, Node.js, REST API, GraphQL, Drizzle ORM, Spring Boot, Tailwind CSS, Chakra UI

Data Science: PyTorch, Pandas, Scikit-learn, Matplotlib, SpaCy, NLTK, Streamlit, Transformers

Others: Git, Markdown, SQL

Languages

Czech: Proficiency at native level

English: Knowledge to enable professional work (C1)