David Poslušný

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Education

Prague University of Economics and Business	**2023 – Present**
Knowledge and Web Technologies · Quantitative Analysis	*Master's degree*

Prague University of Economics and Business	**2019 – 2023**
Applied Informatics	*Bachelor's degree*

Smíchovská střední průmyslová škola a gymnázium	**2015 – 2019**
Information Technologies	*High school*

Experience

Jesenice Municipal Office	**2017 – 2018**
IT Support	*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.

Publications

Design and implementation of an open source web application about cooking	**2022**
Prague University of Economics and Business	*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.
- Performed comprehensive testing and deployed the application to a cloud platform.

Skills

Languages: Python, Java, JavaScript, C#, PHP, HTML, R, SQL
Frameworks: Spring Boot, React, Streamlit
Libraries (Python): Pandas, NumPy, Scikit-learn, Matplotlib, PyTorch, TensorFlow, Keras, SpaCy, NLTK
Others: Git, Markdown

Knowledge

Data Science: Machine Learning, Classification, Clustering, Decision Trees, Semantic Web, Sentiment Analysis
Deep Learning: Neural Networks, Computer Vision, Natural Language Processing, Transformers, LLM's
Statistics: Hypothesis Testing, Dependency Analysis, Regression, Time-Series, Quantitative Analysis
Computer Science: Software Engineering, Software Design, Web Development, REST API

Languages

Czech: Proficiency at native level
English: Knowledge to enable professional work (C1)