



RADIM MUŠÁLEK

DATA ANALYST & MACHINE LEARNING SPECIALIST

LINKEDIN

GITHUB

LANGUAGES

- English - Fluent
- Finnish - Intermediate
- Czech - Native
- Slovak - Advanced

ACHIEVEMENTS

- Python Introduction, Dataquest.io (January 2021).
- Data Analysis and Visualization, Dataquest.io (January 2021).
- Working with Data Sources, Dataquest.io (January 2021).
- Advanced Topics in Data Science,- Dataquest.io (December 2020).
- The Command Line, Dataquest.io (October 2020).
- Probability - The Science of Uncertainty and Data, MITx on edX.org (May 2020).
- Introduction to Computer Science and Programming Using Python, MITx on edX.org (August 2019).
- Data Science: R Basics, HarvardX on edX.org (August 2019).
- Serving as the Turku pond hockey tournament manager and the organisation's core team member at Save Pond Hockey ry (2017 - Present).

PROFILE

Radim is a Data Analyst and Machine Learning Engineer with an entrepreneurial mindset and a solid track record in several industries. He has a Master's degree in Finance and more than a decade of working experience in the field. Most notably, Radim has founded a consulting company to support growing businesses in their financial operations. He also has pursued other ventures in the local startup scene, entrepreneurship, and community building. Building upon his diverse working experience, Radim is eager to continue applying his technical expertise to support the growth of local enterprises.

RECENT PROJECTS

Obesity Levels Estimation

Keras, Scikit-learn

A project completed collaboratively in a group by using the supervised, unsupervised, and semi-supervised learning algorithms to predict obesity levels on a sample of 2111 individuals from Mexico, Peru, and Colombia.

Iowa_liquor_sales - Dask assignment

Jupyter Notebook, Python, Dask, Pandas, NumPy, Plotly Express, Matplotlib

An individual project with the goal of working on a 500+ MB dataset using the Dask library and then performing an analysis using Pandas and Plotly libraries.

Rautaarajalta - Web scraping

Jupyter Notebook, Python, BeautifulSoup, Requests, Pandas, NumPy, Plotly Express, Matplotlib, WordCloud

An individual project to showcase the abilities related to web scraping and data analysis. With a blog www.rautaarajalta.fi chosen for this assignment, the website was scraped to create a dataframe including the name of each article, its posting date, letter count, word count, amount of pictures and a link. The obtained values were further analyzed.

SYKE Finnish lakes ice conditions - Pandas and Data Visualisation

Jupyter Notebook, Python, Pandas, NumPy, Plotly Express, Matplotlib, Cufflinks

An individual project to showcase abilities related to Pandas and data visualisation based on the SYKE (Finnish Environment Institute) dataset analysis on Finnish lakes' ice conditions throughout the history.

SKILLS

Programming Languages: Python, SQL

Data Analysis: Dask, NumPy, Pandas.

Data Visualization: Matplotlib, Plotly, Seaborn.

Database Management: SQL.

Machine Learning: Keras, Scikit-learn.

Other: BeautifulSoup, Git, GitHub, Requests (Python API library).

EXPERIENCE

Data Analyst & Machine Learning Specialist

Integrify | Helsinki, Finland | October 2020 - Present

- Demonstrated advanced proficiency in programming with Python and Object-Oriented Programming.
- Performed Data Analysis and Data Visualization on diverse and complex datasets.
- Worked with APIs and performed Web Scraping to create new datasets.
- Managed databases with SQL and PostgreSQL.
- Developed Machine Learning applications with supervised, semi-supervised, and unsupervised algorithms, and dwelled into Deep Learning and Computer Vision.
- Handeled Continuous Integration and Continuous Deployment (CI/CD) of Machine Learning Models with GitHub Actions and Docker.
- Built web-based applications with Python and Streamlit to host Machine Learning models.

Co-founder & CEO

AccountTech Oy | Helsinki, Finland | May 2016 - Present

- Holding full responsibility for the company's operations and legal requirements with the company providing consulting services in finance to startup companies.
- Additional responsibilities include accounting, taxation, and payroll.

Founder and CEO

Paalava Oy | Helsinki, Finland | July 2017 - Present

- Holding full responsibility for the company's operations and legal requirements.
- Scouting Czech wineries for potential co-operations in Finland.
- Organising wine tastings.
- Consulting customers on Czech wines.

Community Manager

Health Innovation Village at GE Healthcare | Helsinki, Finland | January 2018 - September 2020

- Held the responsibility for day-to-day interaction with the community members.
- Co-organized Slush side-event including 25 HealthTech startups and over 100 investors.
- Managed rental agreements.
- Hosted the visitors.

Accountant

FinCount Oy | Helsinki, Finland | October 2014 - January 2018

- Provided consulting services in finance to small businesses.
- Held the responsibility for accounting, taxes, and payroll.
- Handled reporting and initiated Excel reports' automation.

Accountant (Financial Analyst)

GE Healthcare Oy | Helsinki, Finland | January 2012 - October 2014

- Reported inventory balances including analysis per regions, business segments and other parameters to improve the balance sheet overview of the local Controller & Regional controller-ship.
- Organized annual physical inventory count.
- Completed obsolescence reserve calculation and management including standard and extended reserves calculation and booking.
- Completed the analysis of domestic sales to support local sales team.
- Also, completed the analysis of inventory balances and transactions to support both HQ and Operational teams in their estimates and planning.

Accounting Clerk

European Chemicals Agency | Helsinki, Finland | October 2010 - January 2011

- Handled reconciliation of unmatched incoming payments and solving discrepancies with clients located world-wide.

Assistant Auditor (part-time)

Ernst & Young | Brno, Czech Republic | July 2008 - August 2010

- Described processes in companies.
- Audited various sections of financial statements.
- Performed audit of physical inventory count.

EDUCATION

M.Sc. in Financial Management

Masaryk University | Brno, Czech Republic | September 2004 - June 2010

Erasmus Exchange Programme

Kymenlaakson Ammattikorkeakoulu | Kouvola, Finland | August 2007 - June 2008