



VUK ĐUNISIJEVIĆ



Project Portfolio Website
<https://vucina1906.github.io/>



GitHub
<https://github.com/vucina1906>



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Gornji Milanovac, Serbia

EDUCATION

Degree in information Technology
Technical Faculty of Čačak
2019 - 2023

Master Of Medical Biochemistry
Faculty of Pharmacy Belgrade
2012 - 2017

EXPERIENCE

Medical Biochemist in National Hospital
2020 - present

QA Engineer Tetra Pak
2018 - 2020

Sales Representative PharmaSwiss
2017 - 2018

EXPERTISE

- Python
- Numpy
- Pandas
- Scikit-learn
- Apache Spark
- AWS
- Databricks
- PostgreSQL
- MongoDB
- Tesseract
- Matplotlib
- Seaborn
- Excel
- HTML & CSS
- A/B testing
- SSIS
- Power BI
- Tableau
- GitHub

EXPERIENCE AND PROJECTS

- Working with PostgreSQL databases (raw material data) for 2 years as QA Engineer that was responsible for raw materials consumption, quality and claims and complaints.
- Collecting production data from PLC to SPC and cleaning data. Creating data pipelines and workflow PLC-SPC-Excel-PowerBI and presenting reports daily to high management using PowerBI.
- Raw material claims and complaints to suppliers and customer resolution claims and complaints using SAP.
- QA Pillar leader of Company Project "Internal Claims", creator of Microsoft Sharepoint app that elevated defect detection and reduction and as a result reduced customer complaints by 20%.
- Safety Pillar member and creator of a computer vision app that uses using YOLO algorithm connected to factory cameras and alarm management of production safety violations.
- As a medical biochemist with programming skills, I'm developing an app in collaboration with oncologists, radiologists, and pulmonologists to help my colleagues spot and differentiate cancer types.

Courses

"The Complete Python Bootcamp From Zero to Hero in Python" by Jose Portilla

"Python for Data Science and Machine Learning Bootcamp" by Jose Portilla

"Machine Learning Specialization and Deep Learning Specialization by Andrew NG

"Complete SQL and Databases Bootcamp:Zero To Mastery" by Andrei Neagoie

"IBM Business Intelligence (BI) Analyst"

GITHUB PROJECTS (<https://vucina1906.github.io/>)

Home Fitness Tracker

Fitness application with a user-friendly interface, built using Tkinter and ttkbootstrap. Designed to provide real-time exercise tracking, offering live feedback on form and repetitions, using advanced computer vision powered by Mediapipe.

Covid Mortality Predictor

Prediction of mortality in COVID patients depending on the presence of multiple risk factors. Multiple classification algorithms are used with hyperparameter tuning. Kaggle dataset included more than milion samples.

Lung Cancer Predictor

Prediction of cancer and distinguishing of cancer type if cancer is present. Model created using EfficientNetB4 and adding top layers that were trained on specific dataset. Full project including Flask app with web design.