JOVANA GENTIĆ

CONTACT

+381 64 4711762

genticjovana2001@gmail.com

LinkedIn

Github

EDUCATION

BACHELOR OF INFORMATICS

University of Criminal Investigation and Police Studies, Belgrade, Serbia

2019-2023

VALJEVO GYMNASIUM

High School

2015 - 2019

SKILLS

TensorFlow, Keras, Pytorch, JAX

React, SCSS

Python, Java, C

Git, NPM

SQL, NoSQL

LANGUAGES

English - C2

Serbian - native

French - A2

SUMMARY

Aspiring software developer seeking to use my skills and abilities to program diverse and innovative applications. Throughout my academic experience, I've developed excellent problem-solving capabilities accompanied by a strong sense of responsibility. Initially, working in Python is appealing due to its simplicity and clean code, finding its usage in creating machine learning models. Following The Zen of Python to create beautiful, readable, precise code. In addition, I have experience in web development, creating responsive and visually appealing websites. Also, working with C helped me gain a deeper understanding of how computers operate. I enjoy a variety of hobbies, such as reading, cooking, and gaming.

PROJECTS

PORTFOLIO WEBSITE

Created a portfolio website that showcases my proficiency in web design.

- Technologies: **SCSS** and **React**
- **Responsive design** for mobile devices

BINARY IMAGE CLASSIFICATION MODEL

LIVE DEMO

"Policemen vs Civilians" is a model used to classify images of policemen and civilians.

- **TensorFlow**, **Python**
- **image processing, augmentation, CNNs**
- using **tfjs** models on web

TEXT GENERATION MODEL

"Text generation: Food reviews" is a **small language model** that generate reviews based on the prompt.

- **TensorFlow**, **Python**
- **CNNs**, **Transformers** and **LSTMs**
- **custom training loop**
- working with **text data** (vocabularies, tokenization)
- gaining a deeper understanding of **language models** and **generative AI**

MULTICLASS AUDIO CLASSIFICATION MODEL

"Bird song classification" is an audio classification model designed to classify bird songs into five distinct classes.

- **TensorFlow, Python**
- **1D CNNs, audio processing, spectrograms**

VAE IMAGE GENERATION MODEL

"VAE_celeba" is a simple model that learns latent representations of the data, where both the encoder and decoder model gaussian distributions.

- **TensorFlow**, **JAX**, **PyTorch**, **Python**
- creating **custom models** (without Sequential or Functional API), and **custom loss and accuracy** functions, **custom training loop**
- **multiple GPU** implementation