Aleksandr Gaisov

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Technical Skills

Python: algorithmic trading, web data scraping and parsing (Selenium, Beautiful Soup), web development (Django, SQLite), and machine learning (PyTorch, Sklearn).

Back-end: Linux systems, Linux shell commands and core utilities, Bash scripting, hosting (Nginx).

Other: HTML/CSS, Java, C, Git.

Employment history

2020–Now **Software developer**
IDSI d.o.o. As a sole programmer, I successfully developed and maintained several trading bots across multiple online exchanges, operating in the spot and futures markets. I was also frequently tasked with data collection through third-party APIs and webpage scrapping.

Projects

Personal webpage and Git repository
URL: https://aleksgaisov.xyz and https://git.aleksgaisov.xyz/aleksgaisov
Technologies used: HTML/CSS, Nginx
A self-hosted personal webpage and an instance of GitPrep where I host and present most of my projects.

Social media website
URL: https://cc.aleksgaisov.xyz/
Technologies used: Python, Django, SQLite, HTML/CSS, Nginx, Gunicorn
Chilly Church is a small, self-hosted social media website where users communicate through essays. It avoids storing users' passwords directly by hashing and converting them into usernames. Users are encouraged to post under the same usernames through a ranking system.

Trading bot
URL: https://git.aleksgaisov.xyz/aleksgaisov/binance-stepper-bot
Technologies used: Python, python-binance
A prototype grid trading bot that places buy and sell orders according to pre-generated prices, sends daily, weekly, and monthly reports, and saves orders, creating a complete monthly trading history. Created for use on the Binance online exchange.

Image classification
URL: https://gitlab.com/aleksgaisov/numbers-recognition and
https://gitlab.com/aleksgaisov/butterflies-classification
Technologies used: Python, PyTorch, PIL
The first NN was created from scratch, trained on a dataset comprising 3306 images, and can proficiently (85% accuracy) classify handwritten digits in a black-and-white PNG image format of 9x9 pixels. On the other hand, the second NN utilizes PyTorch, is trained on a dataset comprising 9285 pictures, and can classify (70% accuracy) 75 different species of butterflies.

Movie recommendation system
URL: https://git.aleksgaisov.xyz/aleksgaisov/similar_films
Technologies used: Python, Sklearn, Numpy, Gradio
The program utilizes a dataset of 5000 films and, as a result, returns the 5 most similar films based on the user's choice using the TF-IDF and cosine similarity matrix.

Wrapper for When
URL: https://gitlab.com/aleksgaisov/wfw
Technologies used: Bash
A Bash wrapper script around the when calendar program, it customizes the original output of the program to align with my personal preferences and introduces new event types.

Game development
URL: https://git.aleksgaisov.xyz/aleksgaisov/colored-tiles-game and https://aleksgaisov.itch.io/subaqueous-chaos and https://aleksgaisov.itch.io/gridbound-knight
Technologies used: Java, AWT, Swing; Godot; GDevelop
"Colored Tiles" is a small puzzle game where the player's main objective is to paint all the tiles in the given color with the fewest number of steps. "Subaqueous Chaos" is a puzzle game heavily inspired by Lovecraftian lore. "Gridbound Knight" is an ASCII action puzzle game with turn-based combat, featuring single-player and local PvP.

Publications

2024 **Discourse Analysis of Mission Statements of Slovenian Enterprises**
URL: https://doi.org/10.4312/elope.21.1.31-43
The study analyzes the discourse of a sample of mission statements of Slovenian Micro, Small and Medium Enterprises (MSMEs) and large companies across six different industries.

Education

2020–2023 **Bachelor's degree in Management**
University of Primorska (UP). I graduated with a thesis titled "Discourse Analysis of Mission Statements of Slovenian Companies," which aimed to understand how Slovenian companies utilize mission statements to communicate their purpose to stakeholders and evaluate the uniqueness of these statements at both the company and industry levels. The study involved a research sample of 107 firms across 6 different industries, employing a similarity analysis (TF-IDF weighting and a cosine similarity matrix), and a critical discourse analysis.