SOSO PKHAKADZE

Kutaisi, Georgia

(+995) 591917197   sosiko2004@gmail.com

www.portfolio.com   www.Linkedin.com

WORK EXPERIENCE

Data Engineer & AI Training Support Specialist │ Netex Consulting LLC   **Apr 2022 - Aug 2023**

- Led data preparation efforts for a large-scale **AI training** initiative, annotating over **300,000 thermal and standard images** to enhance **object detection algorithms** for **livestock monitoring**.
- Optimized and streamlined **environmental data reporting** to improve resource allocation and operational efficiency on distributed datasets.
- Collaborated closely with a **distributed team**, leveraging remote communication tools to ensure **99% data annotation accuracy** and consistency in reporting, which significantly contributed to the project's **machine-learning performance**.
- Delivered **high-quality labeled datasets** that contributed to machine learning model accuracy, enabling **automation in livestock health assessment**.

QA Engineer │ DevsData   **Jul 2024 - Present**

- Conducted **in-depth QA** for backend functionalities across **Python** and **JavaScript** applications, reviewing code for **over 10 new features every month** and identifying issues early to ensure **100% reliable deployment across all platforms.**
- Tested and debugged **backend processes** and **browser extensions** to confirm seamless integration and operation, identifying issues in **data processing** and **API calls** to improve **system reliability and performance**.
- Developed and implemented **automated test scripts** for backend tasks, **reducing manual testing time by 80%** and enhancing accuracy and efficiency.
- Verified **frontend deployment** and **user interface integrity** for **over 20 user interface elements daily**, ensuring that features operate correctly on the user end, with thorough testing of **CSS styling**, and content display across devices.
- collaborated with the development team on integrating tests into the existing **CI/CD pipeline**.

PROJECTS

- Job Search (Django - React) - Developed a **full-stack job search platform** that allows users to search for **job listings by title and location**, with **100% accuracy** in search filters. Integrated with an **external API** and implemented **advanced filtering options**, leading to **35% faster retrieval of relevant results** compared to standard search methods.
- Image Resizing & Interpolation (Python, Matplotlib) - Built an **image resizing application** from scratch using **bilinear and bicubic interpolation techniques**, without relying on built-in libraries. This project showcases **image processing fundamentals** and displays results through **Matplotlib for visualization**, highlighting skills in both algorithmic development and **data visualization**.
- Search Products (Django - RapidAPI) - Created a **product search web application** by integrating **web scraping API (RapidAP)** with Django to pull live data from **2+ e-commerce sites**. Implemented **price tracking and notifications**, giving users **real-time price updates and insights**.
- Weather Forecast (Django) - Developed a **weather forecast** application that pulls data from the **OpenWeatherMap API**. Designed backend functionality, handling **500+ API requests,** and displaying **accurate, location-based weather updates.**

EDUCATION

Bachelor in Computer Science │ Kutaisi International University   **2022- 2026**

SKILLS

- **Programming Languages:** Python (Django, Pandas, BeautifulSoup, Pygame, NumPy, OpenCV, matplotlib), JavaScript (React), HTML, CSS, SQL, C, Java, C# (Core)
- **Data Analysis & Visualization:** SQL, Power BI, Tableau, pandas, matplotlib
- **Databases:** MySQL, MariaDB, SQLite
- **Version Control & Collaboration:** Git, GitHub, Docker, Postman, CI/CD
- **Software Development:** OOP, Data Structures & Algorithms, Testing & Debugging, Agile Methodologies (Scrum basics)