RIFAT MAMAYUSUPOV

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I have experience in Computer Vision and ML, working on projects like car counting and employee tracking. I also work with NLP, focusing on models like question answering and text summarization. Additionally, I study ML topics like text-to-speech and image classification. I use frameworks like Yolo, Django, and transformers, and libraries like numpy and pandas. I am skilled in backend development and have a background in IoT.

WORK EXPERIENCE

Computer Vision Engineer || Backend

11/2023 to 1/2024
Tashkent Transport University
https://maps.app.goo.gl/LgVTXBCzYHxY6XvYA

Identifying and counting cars and trucks in polygonal zones on streets, intersections, and tabulating on a web page.

Frameworks and Libraries:

Yolo, numpy, annotation tools, pandas, Django, RestFramework, Annotation Polygon zone, Js, html, css

ML engineer || Backend

12/2023 to 02/2024
Quantic.Co
https://maps.app.goo.gl/USywR45YkvAidfiU7

Track employee arrivals and departures, Display graph based on selected dates, Use facial recognition, then add identified employees to database.

Framework and Libraries:

Face recognation, Gesture recognation, numpy , pandas, DeepFace, telegram bot, Django, restframework, html, css, js, C++.

IOT:

ESP 8266, RFID, Hikivision Camera, Driver.

Computer Vision engineer

01/2024 to 03/2024
ZeroDev
https://maps.app.goo.gl/TrFvvxBbKd7Rimdj7

tracking and counting spermatozoa and showing how many sperm are motile and how many are not.

Framework and libraries:

Yolo, numpy , pandas, regex, annotation tools, python codes, Windows app, django, pyqt5.

ML engineer
05/2023 to Present
Self Study

- **Text to Speech**
- **Speech to Text**
- **Audio classification**
- **Voice assistant**
- **Voice translator**

Framewrok and libraries:

transformers, text dataset, pandas, numpy , files, gradio, audio classification, audio clone.

ML engineer
02/2022 to Present
Self Study

- Digital recognation
- BTC prediction
- Home price prediction
- Heart detection
- Credit Score

Framwork and libraries:

sklearn, pandas, numpy , python code, IMBD dataset, table dataset, people image dataset.

NLP engineer
05/2023 to Present
Self Study

- **Google Gemma (text to text) model**
- **Summery model**
- **Question and Answer model**
- **Generative model**
- **Text classification model**

- **Uzb tekenizer**
- **Uzb GPT fine-tunig**

Framework and libraries:

transformers, text dataset, parsing, gradio, Colab notebooks, django, restframework, annotation tools.

Links for testing my projects:

Present

- **ExtractQuestionAnswer: https://huggingface.co/ai-nightcoder/ExtractQuestionAnswer**
- **UZGPT Text generative: https://huggingface.co/ai-nightcoder/**
- **UZGPTv2 Speech Recognation: https://huggingface.co/ai-nightcoder/**
- **STTUZB Text To Speech: https://huggingface.co/ai-nightcoder/UZBTTS**
- **Summery text: https://huggingface.co/ai-nightcoder/GoogleT5SumeryUZB**

SKILLS

Python and Telegram bot   -   2 years

Universal Parsing (parsing , gathering dataset)   -   1 year

Tensorflow, Pytorch, Transformers, Numpy, Pandas, Matplotlin, Seaborn , Sklearn, Feature Engine, Selenium   -   2 years

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EDUCATION

Karshi transport College
High school or equivalent
Tezkor aloqa
Qarshi 42
10/2017   to   08/2020

Bobir Akilkhanov Tech Academy

Other
Artificial Intelligence
Toshkent University street
09/2022 to 03/2023

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---------- **CERTIFICATIONS / LICENSES** ----------

Google Cloud

Introduction to AI and Machine Learning on Google Cloud

This course introduces the artificial intelligence (AI) and machine learning (ML) offerings on Google Cloud that support the data-to-AI lifecycle through AI foundations, AI development, and AI solutions. It explores the technologies, products, and tools available to build an ML model, an ML pipeline, and a generative AI project based on the different goals of users, including data scientists, AI developers, and ML engineers.

link: https://www.cloudskillsboost.google/public_profiles/509b70c9-6b49-4a96-9e9b-edb68e23aa12/badges/8271906

Google Cloud

Introduction to Generative AI

This is an introductory level microlearning course aimed at explaining what Generative AI is, how it is used, and how it differs from traditional machine learning methods. It also covers Google Tools to help you develop your own Gen AI apps.

link: https://www.cloudskillsboost.google/public_profiles/509b70c9-6b49-4a96-9e9b-edb68e23aa12/badges/8254601

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---------- **LINKS** ----------

myPortfolio : http://rifatmamayusupov.com/