Shokhjakhon Nishonov

SOFTWARE ENGINEER

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Education

Inha University in Tashkent *Tashkent*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING *September 2020*

Skills

Languages Python, SQL, C/C++

Libraries numpy, pandas, scikit-learn, tensorflow, pytorch, keras, XGBoost, LightGBM, CatBoost, matplotlib, seaborn, plotly

Technologies git, github, wandb

Other Data structures and algorithms, Relative Databases, NoSQL (MongoDB)

Experience

Lukoil Uzbekistan Operating Company *Tashkent*

PCS ENGINEER *November 2021 - May 2023*

- Developed an internal software with Python and PostgreSQL database to keep track of industrial transducers' data and make a report based on those data.
- Developed an internal dashboard app with Power BI and Python to make reports on industrial alarms enabling faster reaction time and management.

Korean Development Bank *Tashkent*

SOFTWARE ENGINEER *May 2023 - PRESENT*

- Developed several internal services using according to the requests from clients.

Projects

MEDIAAID4U

PYTHON, AIOGRAM

- Implemented a Telegram bot in cooperation with SOS Children's Village Uzbekistan to teach people about prevention of domestic violence and disinformation.

Background Sound Extraction

PYTHON, SIGNAL PROCESSING, FAST FOURIER TRANSFORMS

- Developed a software, given an audio, extracts background sound of birds using Fast Fourier Transforms.

Lane Line Detector

OPENCV, PYTHON

- Implemented Lane Line Detection on streaming data using python and OpenCV.

Great Barrier Reef

PYTHON, YOLOR, YOLOV5

- Implemented a model that identifies starfish in real-time trained on underwater videos of coral reefs.

Brain Tumor Radiogenomic Classification

PYTHON, PYTORCH

- Implemented a model to predict the genetic subtype of glioblastoma using MRI (magnetic resonance imaging) scans to detect for the presence of MGMT promoter methylation(specific genetic sequence) which is a favorable prognostic factor and a strong predictor of responsiveness to chemotherapy.

Extracurricular

Mentorship

- Acted as a mentor at Technovation Girls Uzbekistan for a group of girls and assisted in the creation of a MEDIAAID mobile app. This application is part of the EU-funded project to cope with domestic violence and disinformation in countries of Central Asia.