MASHKHURA ESHMATOVA

PYTHON DEVELOPER | ML ENGINEER

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WORK EXPERIENCE

JANUARY 2022 – PRESENT
FREELANCER
TASHKENT, UZBEKISTAN

- Created an NLP program for spelling and punctuation correction in Uzbek. For spell corrector used Peter Norvig's algorithm, for punctuation restoration used Deep Learning: transformers architecture. Gathered data by web scraping the news platforms.
- Created telegram bot for learning center students to be able to assess each online lesson individually.
  Technologies used: aiogram, telegram bot, Google sheets API

MAY 2022 – JUNE 2022
PYTHON INTERN
EXADEL | REMOTE

- Developed web applications using Django and Django Rest Framework.
- Handled request overloading using RabbitMQ, Celery and Docker.

OCTOBER 2021 – APRIL 2022
PYTHON INSTRUCTOR
JUNIORCODE | TASHKENT, UZBEKISTAN

- Assessed and taught 80+ students, mainly teenagers in groups and individually. Taught Python Core, Tkinter for GUI, Telegram bot.

MAY – AUGUST 2021
PYTHON DEVELOPER, DATA ANALYST
TASS VISION | TASHKENT, UZBEKISTAN

- Developed software of the device/jetson using Python programming language. As a result, decreased the loading on the device and prolonged the sustainability time from 5 to 24 hours.
- Visualized and analyzed monthly reports using Matplotlib, Pandas, Scikit-learn.
- Implemented a predictive model of number of visitors using ARIMA model with 78% accuracy.
- Sent daily reports using Microsoft Excel.

MAY – JUNE 2021

QA INTERN

TASS VISION | TASHKENT, UZBEKISTAN

- Prepared test-cases for VA (Visitor Analytics) product to solve the bugs in the next update.
- Connected the device to local website and MongoDB database using camera's IP – address, id when new camera was being installed to new location.
- Tracked the behavior of the camera, in case problems occurred, fixed them in software/hardware.

SKILLS

Languages: Python (Django, DRF), C++, Java
Databases: SQL, NoSQL
Bot: aiogram
API: Google Sheets API, Zoom API
Web scraping: BeautifulSoup
Machine Learning: Supervised, unsupervised learning algorithms using Scikit-learn
Deep Learning: Tensorflow, Peter Norvig's, Symspell algorithms, Transformers architecture

LANGUAGES

Uzbek: Native
Russian: Proficient
English: Advanced | IELTS 7.0
Korean: Basic

EDUCATION

2020 - 2024

BACHELOR OF SCIENCE IN COMPUTER AND SOFTWARE ENGINEERING

INHA UNIVERSITY IN TASHKENT

- GPA: 3.78/4.5
- Integrated Java and Python using socket client/server programming and created "Text extractor" application.
- Relevant Coursework: created Healthcare application using C++ (OOP) and took top 3 place among 290+ students.

LEADERSHIP EXPERIENCE and AWARDS

- Co-founder of first Machine Learning Community in Tashkent. Within community, organized 2 events for 150-200 people; Coordinated the Core Team of 15 members in learning Data Analysis, Machine Learning algorithms | January 2022 – Present

- Winner of scholarship in Perspektywy Women in Tech program which was held between 6-9th of June in Poland, Warsaw.

- Winner of ICT4Girls mentorship program. Within the program, developed an MVP of NLP product that helps people communicate without errors in Uzbek | March – May

- Winner of 3-day Startup Weekend Program with team of 5 members. Within the program developed an MVP of automatized attendance system using Computer Vision | March 2022

- Collaboratively organized a 2-day event "Your Step for Revolution". Fully organized and mentored IT section of the event with 30+ participants | July 2-3, 2021
- Participated in management program "Young Manager" have been being elected to top 50 students out of 400 | April – June, 2021
- Participated in "Digital Generation Girls 2021" as a web developer. Within 3 days completed a demo-version of "ishgacha.uz" startup in a team of 3 participants | March 3-6, 2021