Idrak Asadbayli

Professional Summary

I have extensive knowledge of Data analysis, Databases, Data structures, Machine learning and Deep learning algorithms. I develop myself in this field with deep passion and great motivation. My future goal is to become a standout in the market with my knowledge and skills in Big Data and Artificial Intelligence. I quickly master new technologies and knowledge. I believe in myself and know that I will achieve my goal shortly. I assure you that my knowledge, skills and a never-ending passion for work have always been and will greatly benefit the place where I work.

Work Experience

AZCD Group - IMS & QA/QC Specialist
12/2024 - Present

Description:
Systems Integration
Document Management
Process Monitoring
Preparation for External Audit
Bringing all construction documents into a single system

Skills: Research · Time Management · Problem-solving · Microsoft Office · Project Planningt · Microsoft Outlook · Excel Macros

AutoJobAI (StartUp) - Data Scientist
01/2024 - Present

Description:
Database Creating
Creating NLP models
Data cleaning
Machine Learning modelling
Data problem-solving
Deep Learning modeling
Data processing

Skills: Research · Time Management · Scikit-learn · Problem-solving · Microsoft Office · Pandas · Tensorflow · Python · PostgreSQL · Numpy · Project Planning · BERT · T5

Ilk Construction - QA/QC Specialist
11/2022 - 08/2024

Description:
Data analysis
Data cleaning
Database modification
Data problem-solving
Documents circulation control
Data visualization
Data processing

Skills: Research · Time Management · Microsoft Outlook · Problem-solving · Microsoft Office · Python · PyQt5 · Pandas · Excel Macros

ASOIU - Scientific Teacher
09/2022 - 07/2024

Description:
Subjects:
 - Data analytical processing system
 - Microcontroller
 - Artificial intelligence
Teaching: Databases, Data Mining, Data Structures, Statistics, Microcontroller, Microprocessor, ML, DL, Neural Networks

Skills: Research · Teaching · University Teaching · Data Analysis · Microsoft Office · Python · MatPlotLib · Pandas · Sklearn · Requests · BeautifulSoup · Notion

Studylet (StartUp) - Data Engineer
07/2022 - 10/2022

Description:
DataBase modification
Query optimization
Web scraping
Data analysis
Data cleaning
Data Problem-solving
Data mining

Skills: Project Planning · Notion · JSON · Requests · Directus (CMS) · Beautiful Soup · Selenium WebDriver · GitHub · Pandas · Docker · Jupyter · PostgreSQL · Python

Ustay - Handover Specialist
04/2021 - 07/2022

Description:
Data analysis
Data cleaning
DataBase modification
Data Problem-solving
MileMate document circulation control
Data entry to database
Test packet Problem-solving

Skills: Asana · Requests · Beautiful Soup · Pandas · Jupyter · Data Structures · Data Analysis · Python · R · SQL · Microsoft Office · NumPy · Matplotlib · Linear Regression · PL/SQL · Kivy · PyQt

ILab - Python Developer
03/2019 - 07/2019

Description:
Development of an online pharmacy system
Constantly monitor the system
Developing data analysis capabilities
Creating and improving visualization capabilities
The programming language used is python
Used platform is raspberry pi

Skills: Research · Asana · Time Management · Jupyter · Data Analysis · Python · Electronics · SQL · MySQL · Microsoft Office · Microsoft Excel · Arduino · NumPy · Matplotlib · Algorithms · PyQt

Radius - Programmer
03/2018 - 02/2019

Description:
Planning the device according to the project
Compilation of the program on the microcontroller of the device
Desktop application development
Coordinating the device with the desktop application

Skills: Project Planning · Research · Problem-solving · Data Structures · Electronics · Microsoft Office · Microsoft Excel · Arduino · Microcontroller programming · Algorithms

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https://idrakasadbayli.info

Personal Info

Birthday: March 10,1995
Marital status: Married
Location: Nariman Narimanov, Baku, Azerbaijan

Programming Skills

Main Knowledge

Python: Kivy, NumPy, MatPlotLib, Pandas, Seaborn, Scikit-learn, Openpyxl, Requests, BeautifulSoup, Selenium, PyQt 5/6, OpenCv, Face_Recognition, tensorflow, MicroPython
R: readxl, xlsx, stringr, pdftools, dplyr
SQL: SQLite, PostgreSQL, MySQL, MSSQL, PL/SQL, PL/pgSQL
Power BI
Machine Learning: Linear regression, Polynomial regression, Logistic regression, Decision tree, Random forest and etc.
Deep Learning: CNN, RNN, LSTM, GRU, BERT, T5, GPT
Mikrocontroller: Arduino, ESP32

Other Knowledge

C#, C/C++, Java
Raspberry pi

Computer Skills

Windows, Linux
MS Office: Word, Excel, Macros, PowerPoint, Outlook
Asana, Trello, Notion
GitHub, Git, Docker, Directus, Diagrams

English — B1

Interests

Cycling
Playing chess
Reading book
Watching science fiction movies

WakeMeUp(StartUp) - Hardware Engineer
03/2017 - 03/2018

Description:
Developing the WakeMeUp startup hardware and programming it with arduino
Examination and selection of electronic details for hardware support
Conducting preliminary tests on the device

Skills: Project Planning · Research · Problem-solving · Data Structures · Electronics · Microsoft Office · Microsoft Excel · Arduino · Microcontroller programming · Algorithms

AMEA - Internship
03/2017 - 03/2018

Description:
Executing the leader's tasks
Write the software of the given tasks
The test part of the program is written on arduino
Testing the established scheme
Conducting investigations according to the task

Skills: Project Planning · Research · Problem-solving · Data Structures · Electronics · Microsoft Office · Microsoft Excel · Arduino · Microcontroller programming · Algorithms

Projects

Pre-Training and Fine tuning
Collecting unique sentences in the job posting field with web scraping. Building a deep learning model using the pre-training feature of the Bert and T5 algorithms. Building a specialized LLM model by fine tuning the BERT and T5 algorithms with a specific dataset. Since these steps use a lot of resources, use the GPU and TPU capabilities of Kaggle and Colab.

Passing score prediction
Predicting university entrance scores based on past years, specific characteristics of universities, and scores obtained by students. Providing appropriate advice to students who want to make choices. This system is based on the GRU deep learning model, taking into account the capabilities of time series and neural networks.

WakeMeUP
The eyeglasses constantly monitor the worker and activate an alarm to wake them up if they fall asleep. In addition, it provides tracking of the movement of vehicles for logistics companies.

Sentence Classification
Sentences are classified by deep learning modules. For this, RNN, GRU and LSTM models are used together. The results are combined through Ensemble Learning to try to achieve the best result.

Smart irrigation system
It is a direct and remote controlled irrigation system. This device controls the motor and valves to ensure the irrigation of the garden. The central unit can be controlled from a phone or a monitor on it, and an alarm system can be set up so that it can irrigate in the future. This not only reduces human work, but also helps protect nature by reducing water consumption in irrigation.

Face Recognition
It consists of 3 sections:
- Introduction of images to the system
- Recognition of the person in the image
- Recognition of the person in the video

Certifications

Time Series		Computer Vision		Feature Engineering		Advanced SQL	
Kaggle	**Jul-24**	Kaggle	**Dec-23**	Kaggle	**Nov-23**	Kaggle	**Nov-23**

Intermediate SQL		ML Explainability		Intermediate ML		Intro to DL	
HackerRank	**Nov-23**	Kaggle	**Aug-23**	Kaggle	**Aug-23**	Kaggle	**Aug-23**

Intro to ML		Oracle Pl\SQL		Oracle SQL	
Kaggle	**Jul-23**	UpData	**May-22**	UpData	**Mar-22**

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SWOT Analysis

Strengths
I show good results in solving logical problems and make logical decisions in difficult situations. I can learn from my own mistakes or the mistakes of others.

Weaknesses
I have trouble remembering the names of people I meet or new terms, and I take notes to overcome this problem.

Opportunities
Thanks to my quick learning and interest in new technologies, I can quickly overtake my competitors and perform well in my work in a short time.

Threats
If the work is delayed through my fault or for reasons beyond my control, it worries me and I try to get under the whole workload.

Educational Background

Master degree — **2017 - 2019**
Information Technology and Programming Engineering
Azerbaijan Technical University

Bachelor degree — **2014 - 2017**
Computer Engineering
**SABAH Groups
(Azerbaijan Technical University)**

Bachelor degree — **2013 - 2017**
Computer Engineering
Azerbaijan Technical University

Courses

English Duolingo	**01/2024 - Present**
Data Scientist Datalent	**05/2023 - 12/2023**
English MaxGroup	**08/2022 - 11/2022**
Oracle & PL/SQL UpData	**02/2022 - 05/2022**
PLC Programming Developia EA	**10/2018 - 01/2019**
Microcontroller Programming Hackademy	**03/2017 - 06/2017**
English Prestij-s	**09/2016 - 01/2017**

Soft Skills
Analytical thinking, Planning
Tolerant and Flexible
Teamwork
Work individually
Hard-working
Fast search capability
Ready to learn new skills
Supportive

Achievements

The first of Azerbaijan SeedStars	**2017**
The second of Azerbaijan ClimateLaungchPad	**2018**
The second of Azerbaijan SABAH Innovation Form	**2018**