BASHAR ABU HASSAN

Computer Engineer | Data Scientist

Contact

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Hobbies

- Programming
- Music
- Research

SKILLS

Technical:

- Linux OS
- C programming language
- Python programming language
- Basics of Nodejs
- Networking
- Data Visualization (Matplotlib/Seaborn)
- Machine Learning
- Embedded Systems
- Basics of Natural Language Processing (NLP)

Personal:

- Team player
- Critical Thinking
- Good communication skills
- Self-learner

Languages

- English
- Arabic
- Turkish | Azerbaijani
- Russian (Basics)

SUMMARY | OBJECTIVE

Hardworking and passionate Computer Engineer and Data Scientist who has worked on several Programming projects, gaining experience and improving my technical skills throughout, whilst also getting a good grasp on concepts such as machine learning, Data visualization and Data analysis

While still maintaining a couple of projects, as well as working on newer ones, constantly learning to improve my programming and problem-solving skills.
My ambition is to secure a challenging role within a well-respected company where I can continue to develop my skills and share my knowledge

EDUCATION

Coding Academy by Orange November 2022 – January 2023
Data Science Course

- Python Programming, Machine Learning, Data visualization, Big Data
- 360+ hours of both studying and implementing Machine learning concepts

Ilia State University, Tbilisi, Georgia September 2018 – July 2022
(Bachelor) Computer Engineering
Courses: Operating Systems / System Programming, Networking and Embedded Systems, Basics of Machine Learning

PROJECTS

Churn prediction model (Orange Coding Academy)
A teamwork project to implement a classification machine learning model, which predicts whether a customer, given the relevant information/features, will churn(leave) or not.
Topic Include:

- Exploratory Data Analysis
- Machine learning Models (SVM, RandomForestClassifier, Logistic Regression)
- Data Visualization (matplotlib, Seaborn)
- Model Evaluation metrics (confusion matrix, ROC_AUC Curve)
- Sampling Techniques (SMOTE, RandomUnderSampler, SMOTE – Tomek links)
- Hypothesis testing

Crypto Currency Trading Bot (Team Project)
Implementing my knowledge of trading, Binance API, python and C programming languages to produce a functional trading bot
Topics Include:

- Linux Server Deployment/Administration
- Python Script Scheduling using crontab
- Pandas for Data frame manipulation
- File I/O in Python and C

RISC-V CPU Implementation (Ilia State University / Team project)
C program, which imitates the behavior of a CPU (Processing instructions) These instructions include:

- Loading and storing data into memory
- Arithmetic Logic Unit (ALU)
- Implementing CPU Register Set
- Memory address manipulation
- Code Documentation