



EDUCATION

Software engineering studies

Duration: 2021-2023

Successfully passed a software engineering certificate course approved by Mahat

Data studies

Kama-Tech Bootcamp focused on Data Sciences, in collaboration with Elementor company. [diploma](#)

Artificial intelligence

Skill improvement through courses and tests conducted by Ultra-Code and Extra-Code, initiatives backed by Kama-Tech.

Teaching certificate

Senior teacher certificate in computer science.

PROJECTS DURING STUDIES

CIFAR10 Image Classification System with Data Drift & Concept Drift Monitoring

Overview:

Implemented CIFAR10 image classification via a CNN model, complemented by proactive data drift monitoring to sustain model robustness.

Key Achievements:

trained a Convolutional Neural Network (CNN) tailored for precise CIFAR10 image classification.

Designed a user interface to facilitate real-time forecasting and tracking. integrated MLflow, to monitoring model performance metrics.

By astutely analyzing the model for data drift and concept drift, ensured timely identification of retraining needs. This proactive approach fortified model accuracy and relevance, minimizing the perils of obsolete predictions and bolstering system trustworthiness.

Data Engineering Project: Docker + Airflow Integration

Orchestrated data pipelines using Docker Compose, integrating a data producer, Airflow, and PostgreSQL.

Ensured data integrity and provided real-time visualization with Plotly Dash.

Data Preparation Project: Apache Spark

Processed the Epicurious dataset for ML readiness using Apache Spark.

Executed data cleaning, normalization, and feature engineering for optimal model inputs.

Developed and assessed logistic regression models targeting dessert predictions.

TECHNICAL SKILLS

Programming Languages:

Node.js, Java, C#, C, C++, Python

Web Technologies:

Front-End: HTML5, CSS5, JavaScript, React

Back-End: WEB_API, .NetCore, ASP.net Core, Spring, Flask, Dash

Development Environments:

Anaconda, PyCharm-Community, Eclipse, Visual Studio

Database Management:

Databases: SQL Server, MongoDB

Skills: SQL Optimization

Operating Systems: Windows, Unix

Cloud and DevOps: AWS

Tools: Docker, Airflow

Data Processing & Streaming: Kafka, Spark

Artificial Intelligence & Machine Learning:

Basics of Machine Learning ,

Computer Vision ,

Deep Learning with Python (tensorflow , pytorch)

Platforms:

MLflow, Kaggle

Computer Science:

Core Concepts: Data Structures, Graphs, Algorithms

Systems & Design: System Analysis, Operating Systems, Design Pattern

Mathematics: Linear Algebra, Discrete Mathematics, Statistics

Probability, Differential and Integral Calculus

PROFESSIONAL EXPERIENCE

Image-Based Sales Forecasting System for Bentex company

image-based sales forecasting system

Overview:

Developed a sales forecasting model that analyses product images to predict sales, while improving the accuracy of inventory management strategies.

I used a Convolutional Neural Network (CNN) to analyze and extract features from product images, enabling sales predictions.

Achieve exceptional accuracy in sales forecasts, optimize inventory ordering based on visual product data.

Technologies and tools:

Machine learning framework: PyTorch to develop and train a CNN model , Spark.

Platform: Kaggle, a well-known data science platform, for managing datasets and model experiments.

Sales Forecasting & Product Management Solution for Bentex

Overview:

Architected a sales forecasting and product management system for Bentex, a platform catering to Amazon sellers.

Sales Forecasting:

Leveraged RNNs to harness insights from multi-year sales data, ensuring optimized stock levels.

Product Management:

Conceptualized and developed a user-friendly interface, streamlining the product upload process to Amazon.

Technologies & Tools Deployed:

MySQL, Node.js (while strictly adhering to RESTful paradigms, incorporated the Sequelize ORM for seamless database operations), React Hooks, PrimeReact, and MUI.

AI Algorithm: Formulated in Python (TensorFlow)

Collaborative Endeavors:

Engaged in close-knit collaborations with the UI/UX team.

Used Figma for iterative design collaborations.

Real-Time Data Transfer and Monitoring Project for Elementor.

During the bootcamp, participation in a collaborative effort led to the development of a real-world project centered on data transfer and monitoring. Leveraging Kafka for data transmission and storing metrics in PostgreSQL on the AWS platform, the project provided experience in working with large-scale data streams and the implementation of real-time monitoring solutions tailored for big data applications.

VOLUNTEERING

Captain position at Bootcamp Elementor

Student activation, encouragement for learning and progress,

mediation between students and the management team,

encouragement and moral support of the group [diploma](#)

SKILLS

- Exceptional communication and interpersonal skills
- Strong work ethic
- A developed self-learning ability
- Analytical thinking

LANGUAGES

- Hebrew: Native language.
- English: High level