

Iman Movaghar

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Backend Developer

I have experience in front-end programming, but I am currently looking for a back-end or data analyzes position.

WORK EXPERIENCE

Part software group
Frontend developer • Internship

03/2023 – 08/2023
Mashhad

EDUCATION

Bachelor's in Computer Engineering
Fersowsi University

Mashhad • 10/2021 – Present

CERTIFICATIONS

Backend development bootcamp with java spring boot
Dotin company

08/2024 – 10/2024

PROJECTS

Library management system

08/2024 – 10/2024

The **Library Management System** is a web application implemented with spring boot. The system is designed to manage book reservations within a library, providing functionalities for different roles: System Administrator, Reservation Manager, and Regular User. The application follows SOLID principles and includes basic authentication and authorization mechanisms to ensure that each user has access to the appropriate functionalities.

software test with selenium

a python program for testing abilities of saucedemo.com using selenium

music website

Music web application like Spotify using Django

EsmFamil

Old traditional game using socket programming in java and fxml for its UI

Thats-my-fish

Funny game using Allegro library in C

KDTree

Implementation KDTree and usable method for it with Java

grep file search

This C++ program traverses a directory tree, searches for a specified string or regular expression in text files, and reports the matching lines with their corresponding file names, line numbers, and character positions. Additionally, it measures the time taken to process each file and outputs the duration along with the file information.

CNN design and optimization

Designing a neural network (Animals10 Dataset) limiting the parameters of the model and then preventing it from overfitting

Analysis and evaluation of ensemble algorithms for 2D data classification

Various Ensemble algorithms, including Bagging, Random Forest, AdaBoost, and Stacking, were trained on a two-dimensional dataset, and by analyzing the performance of each model in terms of accuracy, precision, recall, and F1-Score, the best combination of classifiers was selected and presented.

Handwritten number recognition

Handwritten digit recognition (MNIST Dataset) using decision tree and SVM classification algorithms for the Fundamentals of Computational Intelligence course.

Face Clustering

A project for the Fundamentals of Computational Intelligence course that includes Feature Extraction, Feature Selection, Clustering, Visualization, K-Means & KNN and Prediction.

Semantic similarity detection and automatic labeling in Stack Overflow text data using Word2Vec and KNN

Automatic identification of semantic similarity between text questions and extraction of related tags. First, Stack Overflow text data is preprocessed. Then, using Word2Vec and the KNN algorithm, a system for retrieving similar questions and automatically assigning tags is designed and evaluated.

Analysis Animation & Movies Dataset

Data mining course project involving data cleaning, preprocessing, and exploratory analysis using sales and movie datasets. Applied clustering (K-Means, DBSCAN) and classification (SVM, Decision Tree, Naïve Bayes) techniques to uncover patterns and predict outcomes. Evaluated models with performance metrics and visualizations, and extracted insights for business and content success analysis.

Fractal rendering

Fractal rendering algorithm in serial and also in parallel with OpenMP API & CUDA for the Multi-core programming course.

SKILLS

Database: MongoDB, MySQL

Programming languages: C, Java, javascript, Python

Frameworks: Django, nodejs, Springboot, vuejs

tools: git, Jupyter Notebook

markup: Bootstrap, CSS, HTML

Libraries: Matplot, Numpy, Pandas, Scikit-learn, Tensorflow

Operating systems: Linux, Windows