

Alireza Ghaderi

AI & Data Science Engineer



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PROFILE

Driven AI professional specializing in Data Science and NLP. Experienced in ML/DL, Python, PyTorch, and building AI-powered applications and bots.

SKILLS

Python

PHP

HTML, CSS

MySQL

Django

Machine Learning

Deep Learning

Data Mining

Pandas, Numpy

Scikit-learn

Pytorch

Transformers

Natural Language Processing (NLP)

Bot Development

Matplotlib, Seaborn

PROFESSIONAL EXPERIENCE

Freelance AI

Freelance Projects

07/2025 – Present | Remote

Freelance projects in Django web development, AI applications, and Data Science solutions for small businesses and individual clients.

- Built web applications using Django framework with AI and ML features.
- Developed predictive models using Python, Scikitlearn, and PyTorch.
- Applied data science techniques such as data mining, preprocessing, and visualization.
- Created AI-powered Telegram bots for automating tasks and interacting with users.
- Delivered end-to-end projects independently from design to deployment.

NLP Intern / AI Intern

Liorad (Internship)

05/2025 – 09/2025 | Shahrood, Iran

Livrad is a company specialized in Natural Language Processing (NLP) solutions and AI-based text analytics.

- Developed NLP pipelines for text preprocessing and feature extraction.
- Implemented machine learning models for text classification tasks.
- Assisted in building data pipelines for large-scale text datasets.
- Learned and applied practical NLP techniques such as Transformers and BERT models.

CERTIFICATES

Programming Using Python

Completed comprehensive Python programming course covering core concepts, data structures, and basic algorithms. Issued by CS50xTehran.

Computer Science

Covered foundational computer science topics including algorithms, data structures, and computational thinking. Issued by CS50xTehran.

Artificial Intelligence

Gained hands-on experience in AI, machine learning, and deep learning applications. Issued by CS50xTehran.

EDUCATION

Bachelor of Science in Computer Engineering

Shahrood University of Technology

09/2020 – 2025 | Shahrood, iran

PROJECTS

House_Price_Regression

Developed a regression model to predict house prices using Python, Pandas, and Scikit-learn.

Heart_Attack_Classification

Machine learning classification project for predicting heart attack risk using Python and Scikit-learn.

Customer_Clustering

Applied clustering algorithms to segment customers based on purchasing behavior.

Time_Series_Analysis

Python script for time series forecasting of furniture sales using ARIMA; includes data preprocessing, visualization, and model selection.

Iris_Dataset_Analysis_and_Machine_Learning_Models

Applied multiple ML algorithms for classification of the Iris dataset and compared their performance.

Tic_Tac_Toe_AI_Search

Created an AI-based Tic Tac Toe game using search algorithms.

BPlusTree

Implemented a B+ Tree data structure for indexing and database optimization in Python.

Sudoku Solver with CSP

Solved Sudoku puzzles using Constraint Satisfaction Problem techniques in Python.

CORE_Text_Classifier

Comparative analysis of deep learning and classical ML models for text classification tasks