



# Hossein Tahami

📍 Home : Tehran, Iran

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Gender: Male Nationality: Iranian

## EDUCATION AND TRAINING

[ 09/2019 – 07/2024 ]

### B.Sc. in Aerospace Engineering

*Amirkabir University of Technology*

City: Tehran | Country: Iran | Final grade: 15.07 out of 20.0 | Thesis: Hybridization of Airbus A320. (Under Supervision of Dr. Kamran Raeisi Charmakani)

[ 09/2016 – 07/2019 ]

### High School Diploma in Mathematics and Physics

*Allameh Helli Tehran (National Organization for Development of Exceptional Talents)*

City: Tehran | Country: Iran | Final grade: 19.25 Out of 20.0

## RESEARCH INTERESTS

### Academic Interests

Computer Vision | Natural Language Processing (NLP) | Neural Networks |

Reinforcement Learning | Machine Learning & Deep Learning

### Selected Courses

Research Method & Report Writings **19** | Differential Equations **18** |

Differential Equations **18** | Computer Programming **20** | Final Project **20**

## WORK EXPERIENCE

[ 03/2023 – 09/2023 ]

### Python Developer

*Maktab Sharif Co.*

City: Tehran | Country: Iran

- Intern as a Python Developer, focusing on developing, enhancing, and maintaining Python-based applications.

## PROJECTS

### Tweet Sentiment Analysis ([Github](#))

Tweet sentiment classification using Logistic Regression with **NLTK** and **Scikit-Learn**.

### Cow Detection ([Github](#))

Neural Network Implementation for Cow Detection in Videos using **PyTorch** and **OpenCV**.

### Handwritten Digit Recognition ([Github](#))

Convolutional Neural Network (**CNN**) for recognizing digits, trained on **MNIST** dataset using **TensorFlow** and **Keras**.

### Cafena ([Github](#))

Restaurant Website for Menu Viewing and Ordering, developed with **Django**, **JavaScript**, and **Bootstrap**.

### Todo API ([Github](#))

Todo API with CRUD functionalities and authentication system, built using **FastAPI**.

### Music Stream Platform ([Github](#))

Music streaming platform with authentication and personal playlists built using **Django**, **HTML**, **CSS**, and **Bootstrap**.

CETIFICATES

- [ 02/2025 ] Deep Learning Specialization ([DeepLearning.AI](#))  
[Neural Networks & Deep Learning](#) | [Improving Deep Neural Networks](#) |  
[Structuring Machine Learning Projects](#) | [Convolutional Neural Networks](#) | [Sequence Models](#)
- [ 12/2024 ] Mathematics for Machine Learning Specialization ([Imperial College London](#))  
[Linear Algebra](#) | [Multivariate Calculus](#) | [PCA](#)
- [ 11/2024 ] Natural Language Processing Specialization ([DeepLearning.AI](#))  
[Classification & Vector Spaces](#) | [Probabilistic Models](#) | [Sequence Models](#) | [Attention Models](#)
- [ 10/2024 ] Machine Learning Specialization ([Stanford Online](#))  
[Supervised Learning](#) | [Advanced Algorithms](#) | [Unsupervised, Recommender, Reinforcement Learning](#)
- [ 09/2024 ] Task-Oriented Course in Data Analysis With Python ([Quera](#))
- [ 02/2024 ] Professional Project-Oriented Course In Backend Development With Django ([Quera](#))
- [ 07/2023 ] Task-Oriented Course in Version Control With Git ([Quera](#))
- [ 04/2023 ] MATLAB ([Tehran Institute of Technology](#))
- [ 04/2023 ] CATIA ([Tehran Institute of Technology](#))

DIGITAL SKILLS

**Programming and Scripting**  
Python | MATLAB | JavaScript | C++, C | Bash Script | SQL

**Artificial Intelligence and Machine Learning**  
Pandas | Matplotlib, Seaborn | Numpy | OpenCV | Tensorflow | NLTK | Keras | PyTorch

**Web Development and APIs**  
DRF (Django REST framework) | FastAPI | CSS | HTML | Bootstrap

**Database Management**  
MongoDB | Redis | PostgreSQL | SQLite

**Version Control and DevOps**  
Git | Docker | Linux (Ubuntu)

**Message Brokers and Task Queues**  
Celery | RabbitMQ

**Simulation and Computational Tools (Aerospace Background)**  
ANSYS Fluent | CATIA | Solidworks

NETWORKS AND MEMBER-SHIPS

- [ 06/2022 – 09/2022 ] Member of the Aerospace Engineering Students' Scientific Journal

LANGUAGES AND TEST SCORES

English

- IELTS Overall Band Score **7.5** (L: 8, R:8, S: 6.5, W: 6.5)
- GRE Overall Band Score **327** (V: 157, Q:170, W:4.0)

Persian (Native)

REFERENCES

Academic References

Upon Request.