**Ali Momeni**

**Contact Information**

| Aleshtar, Lorestan, Iran  [Github](https://github.com/Alimomeni2000/) | E-mail: [alimomeni2000.official@gmail.com](mailto:alimomeni2000.official@gmail.com)  [Linkedin](https://www.linkedin.com/in/ali-momeni-b490bb206/) |
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**Education**

| * [**Shahid Chamran University of Ahvaz**](https://scu.ac.ir/en/%D8%B5%D9%81%D8%AD%D9%87-%D8%A7%D8%B5%D9%84%DB%8C)   B.Sc Computer Engineering  **Thesis:** Classification of medical images of epilepsy patients using deep neural networks   * **Total CGPA**: 16.08/20 (3.35/4) * CGPA of the last two semesters: 17.70/20 (3.68/4) * CGPA of Specialized Courses: 17.60/20 (3.63/4) * Thesis grade: 4/4 * **Advisors**: [Dr. Ali Bakhthamat](https://scholar.google.com/citations?user=7bewisgAAAAJ&hl=en&oi=ao), [Dr. Seyed Enayatallah Alavi](https://scholar.google.com/citations?user=-xRyl_IAAAAJ&hl=en) | **Ahvaz-Iran 2019-2023** |
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| * **Allameh Tabatabaei High School**   Diploma in Mathematics   * **GPA**: 18.21/20 (3.76/4) | **Aleshtar-Lorstan-Iran 2019** |

**Research Interests**

| * Computer vision based healthcare system * Robotic Technologies in Pharmacy and Medicine * Human-Computer Interaction | * Machine learning and deep learning approach for medical image analysis * Remote patient monitoring * 3D Medical image Reconstruction and Visualization |
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**Related Courses**

| * *Machines & Languages Theory:* * *Principles of robotics:* A * *Fundamentals of computer vision*: A * *Databases*: A | * Fundamentals of Natural language and Speech processing: A * Fundamentals of computational intelligence: A * Fundamentals of wireless networks: A |
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**Aca*demic Projects***

* **Classification of medical images of epilepsy patients using deep neural networks,**  Classify medical images of epilepsy patients using deep neural networks "Bachelor’s Thesis", Professors [A. Bakhthamat](https://scholar.google.com/citations?user=7bewisgAAAAJ&hl=en&oi=ao), [S.E. Alavi](https://scholar.google.com/citations?user=-xRyl_IAAAAJ&hl=en), 2023.
* **Classification of plant disease images,** Using Transfer Learning (AlexNet), implemented with Keras and Tensorflow, Project of the Course **“**Fundamentals of computer vision**”,** Prof F. Abbasi, 2023
* **To design a robot capable of executing tasks such as linear and rotational movements, wall following, and the implementation of search algorithms (A\*)**. This project covers a comprehensive series of steps, ranging from the initial design phase to the implementation of artificial intelligence algorithms, Using python and Webots Simulation, Project of the Course **“**Principles of robotics**”,** Prof [A. Ghanbarzadeh](https://scholar.google.com/citations?user=gNzQBEoAAAAJ&hl=en&oi=ao), 2023

**All of the Academic Projects at ……**

**ACADEMIC EXPERIENCE**

| * **Teaching Assistant for software engineering** | **Ahvaz-Iran / Jan-Jul 2023** |
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| * **Teaching Assistant for Fundamentals of Programming** | **Ahvaz-Iran / Jan-Jul 2022** |
| * **Teaching Assistant for advanced programming** | **Ahvaz-Iran / Sep- Dec 2021** |

**Professional *Projects***

* [**Analysis of electricity consumption by subscribers of Behbahan city, Iran(Sreamlit app),**](https://github.com/Alimomeni2000/Electricity_consumption_system_subscribers_Behbahan)The project analyzed electricity consumption patterns in Behbahan using data visualization, aiming to enhance sustainable management through a Streamlit app.
* [**Chest X-ray Pneumonia Classification**](https://github.com/Alimomeni2000/XrayChest)**,** Deep learning classifies chest X-rays accurately.
* [**Average car Prices - Brazil**](https://www.kaggle.com/code/lucalucainluca/car-prices-brazil)**,** Project improved R2 score over 99% using advanced regression algorithms.
* [**Fake/True news classification**](https://github.com/Alimomeni2000/Fake_True_News)**,** A Neural Language Model classified news articles as fake or real using Scikit-learn and NLTK algorithms.
* **All of the Professional Projects at ……**

**Related Professional Experiences**

| **‌Behbod Gostar Andishe - Part-time**   * Implementation of machine learning algorithms and image processing |  | **Ahvaz-Iran**  **Nov 2022 - Dec 2023** |
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**Certificate and Awards**

| [Advanced Learning Algorithms](https://www.coursera.org/account/accomplishments/verify/3TU4CH69L2SQ) |  | **Coursera Feb 2024** |
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| [Supervised Machine Learning: Regression and Classification](https://www.coursera.org/account/accomplishments/verify/GD5S7QU3S8ZP) |  | **Coursera Feb 2024** |

**Skills**

| * **Programming Skills** Python, SQL, C/C++, Java, R(Basic), VHDL/Verilog, HTML, CSS * **Software Skills**   Keras, Tensorflow, Pytorch, Scikit-learn, Numpy, Pandas, Matplotlib, Seaborn, Plotly, Stremlit, OpenCV, NLTK, BeautifulSoup, Jupyter notebook/lab, Google Colab, MySQL, PostgreSQL, Linux, Git/Github, Visual Paradigm, Xilinx ISE, Webots, LATEX, Django, FastAPI, Excel**,** Bash |
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| * **Languages**   Farsi: Native  English: B2 / IELTS 6 (S:6.5, L:6, W:6, R:5.5 ) ( Oct 4 2024) |