



## Amir Masoud Nourollah

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✉ nourollah.am@gmail.com  
📍 Iran  
🎂 1997, August

🔗 github.com/Nourollah  
🌐 linkedin.com/in/amnrl  
● StackOverflow

🗨 English

- **GRE** Score: Verbal Reasoning 162, Quantitative Reasoning 169, Analytical Writing 4

🗨 Persian: Native

🗨 Azerbaijani: Native

🗨 Germany: Basic

## INDUSTRIAL EXPERIENCES

Jan 2023  
now

### Machine Learning Researcher

NOBKA · Iran 📍



- Meaningful sentence generation using some random letters
- TTS and STT for voice conversion
- Lossy and lossless steganography for image to image, text to image, and text to text

Jul 2021  
Jul 2022

### Computer Vision Engineer

NOVE · Iran 📍



- Aerial image segmentation
- Common object detection
- Realtime cough detection

Nov 2017  
Jan 2021

### Software Developer

FARADID PAYESH SYSTEM · Iran 📍



- Cross-platform navigation app
- Messenger multi-threading core
- Linux administration

## EDUCATION

2020  
Present

### Master of Science Student in Artificial Intelligence and Robotics

SHAHROOD UNIVERSITY OF TECHNOLOGY · Iran 📍



- **Thesis:** Using deep learning to detect neurons and segment them either binary or semantic for their components to compute their length in fluorescence microscopy images.
- **Teaching Assistant:** Neural Networks and Deep Learning - Digital Image Processing - Big Data and Scalable Machine Learning.
- **GPA:** 3.8
- **Rank:** 2 among 30

2017  
2020

### Bachelor of Science in Chemistry- Information Technology

ISLAMIC AZAD UNIVERSITY, TEHRAN NORTH BRANCH · Iran 📍



- **GPA:** 3.4
- **Rank:** 1 among 90

## SKILLS

<b>PROGRAMMING</b>	Python, C++
<b>FRAMEWORKS</b>	PyTorch, Django, FastAPI, SQLAlchemy, Flask
<b>LIBRARIES</b>	Huggingface, OpenMMLab, SciKit Libraries, OpenCV, NumPy, Pandas, Matplotlib, Pydub, Plotly
<b>TOOLS</b>	Linux, Git, Docker, Docker-Compose, SQLite, PostgreSQL, CMake, GitHub Actions

## PUBLICATIONS

- 2023** Quantifying Morphologies of Developing Neuronal Cells Using Deep Learning with Imperfect Annotations, Submitted for Journal of IBRO Neuroscience Reports, **Amir Masoud Nourollah**, Hamid Hassanpour, Amin Zehtabian
- 2022** WhisperNetV2: SlowFast Siamese Network For Lip-Based Biometrics, Revised for Journal of IEEE Transactions on Pattern Analysis and Machine Intelligence, Abdollah Zakeri, Hamid Hassanpour, Mohammad Hossein Khosravi, **Amir Masoud Nourollah**

### </> AREAS OF INTEREST

**Multimodal Deep Learning (Vision, Acoustic, Text)**  
**Reinforcement Learning**  
**Multi-task Learning**

## ONLINE COURSES & CERTIFICATIONS

DeepLearning.AI	Deep Learning Specialization
DeepLearning.AI	Generative Adversarial Networks Specialization
DeepLearning.AI	DeepLearning.AI TensorFlow Developer Specialization
DeepLearning.AI	TensorFlow: Advanced Techniques Specialization
DeepLearning.AI	Introduction to Machine Learning in Production
Stanford Online	Machine Learning
IBM	Machine Learning with Python
IBM	Scalable Machine Learning on Big Data using Apache Spark
University of Alberta	Reinforcement Learning Specialization
University of Michigan	Database Design and Basic SQL in PostgreSQL
Fanavar Anisa	Data Science with Python
Fanavar Anisa	Linux Professional Institute Certification 2
Fanavar Anisa	Master of Bash Scripting
Fanavar Anisa	Embedded Linux From Scratch

## REFERENCES

### PROF. HAMID HASSANPOUR

- Professor in Computer Engineering at the Shahrood University of Technology
- ✉ h.hassanpour@shahroodut.ac.ir
- ☎ +98 911 112 8380

### DR. AMIN ZEHTABIAN

- Researcher in Chemistry and Biochemistry at Freie Universitat Berlin
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