Tanya Djavaherpour

Email (Primary): t.djavaherpour@gmail.com   **GitHub**: github.com/tanya-jp   **Cell**: +98 (912) 932-3926

Email (Secondary): javaherpour@aut.ac.ir   **LinkedIn**: tanya-djavaherpour   **Website**: tanya-jp.github.io

Education	**Amirkabir University of Technology (Tehran Polytechnic)**	Tehran, Iran
	B.Sc., Computer Engineering	Sep. 2018 – Present

Passed Courses: 120/140 credits, *GPA: 3.97/4 (18.48/20)*

Last Two Years: 65 credits *GPA (65 Credits): 4/4 (18.85/20)*

Highlighted Courses:

Applied Linear Algebra: 19.2/20	Advanced Programming: 20/20
Engineering Statistics: 20/20	Data Structures and Algorithms: 19/20
Algorithm Design: 19.25/20	Artificial Intelligence: 20/20
Computational Intelligence : 18.5/20	Database Design Lab.: 19.75/20

Farzanegan (2) High School   Tehran, Iran

Diploma, Mathematics and Physics Discipline   Sep. 2014 - Jun. 2018

National Organization for Development of Exceptional Talents (NODET)

GPA: 19.78/20

Research Experience	**Research Intern, IPM Institute for Research in Fundamental Sciences**	
		Jul. 2021 – Oct. 2021

Research on AI-based financial market analysis approaches, focusing on testing available DL architectures and for each analytic model construct a new hybrid model that aggregates ports of old models.

Under the supervision of Dr. Rahmati & Dr. Gorgin.

Publications	**Investigation of Sadness on Brain Mathematical Ability Using Musical and Semantical Excitation**	
		Dec. 2019

Ali Davoodi Moghadam, Ali Jamali, Tanya Djavaherpour, Behrad Taghibeyglou, 8th *Conference of Basic and Clinical Neuroscience Congress, Razi Hall, Tehran, Iran.* Link to ResearchGate

Notable Projects	**Snail Jumper:** An Evolutionary Game with Genetic Algorithm and Neural Network Link to GitHub	
		Jun 2022

Heart Disease Diagnosis-Fuzzy Sys: A Heart Disease Diagnosis System Using Fuzzy Expert System Link to GitHub   Jun 2022

VFH-PathPlanning: Controlling and Moving a Mobile Robot from Starting Point to the Specific Goal in ROS Link to GitHub   Jun 2022

CIFAR-Classification: Classifying CIFAR-10 Data by Creating a Fully Connected ANN and CNN with TensorFlow Link to GitHub   May 2022

Vaccination System: An Implementation of a Vaccination System Database, Using SQL Link to GitHub   Jan. 2022

Plants vs. Zombies Game: A Single and Multiplayer Game Written in Java Using Swing and Graphics 2D Link to GitHub   Feb. 2021

Teaching Experience	**Principles of Artificial Intelligence**	Fall 2022
	Teaching Assistant, Instructor: Dr. Javanmardi	
	Advanced Programming	Spring 2022
	Teaching Assistant, Instructors: Dr. Zeinali & Dr. Kalbasi	
	Algorithm Design	Spring 2022
	Teaching Assistant, Instructors: Dr. Bagheri & Dr. Shahreza	
	Microprocessor and Assembly Language	Spring 2022
	Teaching Assistant, Instructor: Dr. Farbeh	
	Fundamentals of Computer Programming	Fall 2021
	Teaching Assistant, Instructor: Dr. Zeinali	
	Fundamentals of Computer Programming	Fall 2020
	Teaching Assistant, Instructor: Dr. Salari	

Technical Skills

Programming Languages: Java, Python, C, MATLAB
Operating Systems: Windows, Linux(Ubuntu)
Databases: MySQL, SQLServer
Libraries: PyTorch, Keras, NumPy, pandas, Matplotlib.
Engineering and Developement Tools: IntelliJ, PyCharm, Git, Arduino IDE, Proteus, Colaboratory

Honors and Awards		
A^+ **Grade** in Deep Learning Implementation Workshop of AUT		2019
3rd **Place** in Deep Learning Implementation Workshop Project		2019
Ranked Top 0.7 Among All Students in the National University Entrance Exam		2018
1st **Place** in Junior Soccer B Light Weight Super Team, RoboCup Iran Open		2015

Workshops		
Deep Neural Networks Implementation Using PyTorch		2019
Amirkabir University of Technology		
Digital Fabrication and 3D Printing		2019
Amirkabir University of Technology		
Introduction to MATLAB Programming		2019
University of Tehran		

Soft Skills

Agile Methodologies: Scrum
Good at Communication and Team Work

Languages

English: Advanced, TOEFL iBT MyBest score: 95/120 (R: 22, L: 27, S:22, W: 24)
GRE General: 299 (Q: 159, V: 140)
Persian: Native

References

Available Upon Request.