

# Tanya Djavaheerpour

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Education	<b>Amirkabir University of Technology (Tehran Polytechnic)</b> Tehran, Iran B.Sc., Computer Engineering    Sep. 2018 – Present Passed Courses: 120/140 credits, <i>GPA: 3.97/4 (18.48/20)</i> Last Two Years: 65 credits, <i>GPA: 4/4 (18.85/20)</i> <i>Highlighted Courses:</i> 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
	<b>Farzanegan (2) High School</b> Tehran, Iran Diploma, Mathematics and Physics Discipline    Sep. 2014 - Jun. 2018 National Organization for Development of Exceptional Talents (NODET), <i>GPA: 19.78/20</i>
Research Interests	<b>x, y, z</b>
Research Experience	<b>Research Intern, IPM Institute for Research in Fundamental Sciences</b> Jul. 2021 – Oct. 2021 Research on AI-based financial market analysis approaches, focusing on testing available DL architectures and constructing a new hybrid model for each analytical model that aggregates ports of old models. Under the supervision of Dr. Dara Rahmati & Dr. Saeid Gorgin.
Publications	<b>Investigation of Sadness on Brain Mathematical Ability Using Musical and Semantical Excitation</b> Dec. 2019 Ali Davoodi Moghadam, Ali Jamali, Tanya Djavaheerpour, Behrad Taghibeyglou, <i>8<sup>th</sup> Conference of Basic and Clinical Neuroscience Congress, Razi Hall, Tehran, Iran.</i> <a href="#">Link to ResearchGate</a>
Notable Projects	<b>Snail Jumper:</b> An Evolutionary Game with Genetic Algorithm and Neural Network <a href="#">Link to GitHub</a> Jun 2022 <b>Heart Disease Diagnosis-Fuzzy Sys:</b> A Heart Disease Diagnosis System Using Fuzzy Expert System <a href="#">Link to GitHub</a> Jun 2022 <b>VFH-PathPlanning:</b> Controlling and Moving a Mobile Robot from Starting Point to the Specific Goal in ROS <a href="#">Link to GitHub</a> Jun 2022 <b>CIFAR-Classification:</b> Classifying CIFAR-10 Data by Creating a Fully Connected ANN and CNN with TensorFlow <a href="#">Link to GitHub</a> May 2022 <b>Vaccination System:</b> An Implementation of a Vaccination System Database, Using SQL <a href="#">Link to GitHub</a> Jan. 2022 <b>Plants vs. Zombies Game:</b> A Single and Multiplayer Game Written in Java Using Swing and Graphics 2D <a href="#">Link to GitHub</a> Feb. 2021

Teaching Experiences	<b>Principles of Artificial Intelligence</b> Fall 2022 Teaching Assistant, Instructor: Dr. Mahdi Javanmardi <b>Advanced Programming</b> Spring 2022 Teaching Assistant, Instructors: Dr. Hossein Zeinali & Dr. Amir Kalbasi <b>Algorithm Design</b> Spring 2022 Teaching Assistant, Instructors: Dr. Alireza Bagheri & Dr. Sajjad shirali Shahreza <b>Microprocessor and Assembly Language</b> Spring 2022 Teaching Assistant, Instructor: Dr. Hamed Farbeh <b>Fundamentals of Computer Programming</b> Fall 2021 Teaching Assistant, Instructor: Dr. Hossein Zeinali <b>Fundamentals of Computer Programming</b> Fall 2020 Teaching Assistant, Instructor: Dr. Farzaneh Salari
Technical Skills	<b>Programming Languages:</b> Java, Python, C, MATLAB <b>Operating Systems:</b> Windows, Linux (Ubuntu) <b>Databases:</b> MySQL, SQLServer <b>Libraries:</b> PyTorch, Keras, NumPy, pandas, Matplotlib. <b>Engineering and Development Tools:</b> IntelliJ, PyCharm, Git, Arduino IDE, Proteus
Honors and Awards	<b>A<sup>+</sup> Grade</b> in Deep Learning Implementation Workshop of AUT 2019 <b>3<sup>rd</sup> Place</b> in Deep Learning Implementation Workshop Project 2019 <b>Ranked Top 0.7 Among All Students</b> in the National University Entrance Exam 2018 <b>1<sup>st</sup> Place</b> in Junior Soccer B Light Weight Super Team, RoboCup Iran Open 2015 <a href="#">Link to Certificate</a>
Workshops	<b>Deep Neural Networks Implementation Using PyTorch</b> <a href="#">Link to Certificate</a> 2019 Amirkabir University of Technology <b>Digital Fabrication and 3D Printing</b> <a href="#">Link to Certificate</a> 2019 Amirkabir University of Technology <b>Introduction to MATLAB Programming</b> <a href="#">Link to Certificate</a> 2019 University of Tehran
Soft Skills	<b>Agile Methodologies:</b> Scrum Good at Communication and Team Work
Languages	<b>English:</b> Advanced, TOEFL iBT MyBest score: 95/120 (R: 22, L: 27, S:22, W: 24) GRE General: 299 (Q: 159, V: 140) <b>Persian:</b> Native