

Ali Mortazavi

CONTACT INFORMATION	Dept. of Computer Eng. & IT, Amirkabir University of Technology, Hafez St., Tehran, Iran.	Email: ali_mortazavi@aut.ac.ir Home: https://alimorty.github.io Tel: (+98) 937 146-2838
EDUCATION	Amirkabir University of Technology (Tehran Polytechnic) , Tehran, Iran B.Sc. Computer Software Engineering, 2013 – 2017 CGPA: Overall 18.47 / 20 (3.78/4) [Ranked 3rd] Selected Course 19.33 / 20 (4/4)	
RESEACH INTERESTS	<ul style="list-style-type: none">• Statistical Machine Learning• Optimization• Sequential Prediction• Mechanism Design in Game Theory	
RESEARCH EXPERIENCE	<i>Implementation and Evaluation of "Genetic" and "Simulated Annealing" Algorithms for Extended Travelling Salesman Problem</i> , B.Sc. Thesis, [code] [report] Under the supervision of Dr. Razazi at Amirkabir University of Technology In this project, we tested the performance of two different heuristic approaches to solve an NP-Complete Problem. This problem is an extended version of the Travelling Salesman Problem. Since our approach is heuristic, there is no guaranty to find a global optimum answer. Therefore, we needed some other exact approach for computing the global optimum. For this purpose, we reduced our problem to an Integer Linear Programming Instance. So in small graph samples, we could compare our results with the optimum solution and for the large graph samples, we just compared our two different methods with each other.	
ACADEMIC PROJECTS	Image Denoising and Segmentation Using Markov Random Field [code] [report] Optimizing Energy Function using Simulated Annealing, Comparing different Color Spaces results. Text Summarization [code] [report] Extracting important sentence as a summary using page rank algorithm and word2vec. Text Classification [code] [report] Using different metrics (mutual information, information gain, etc.) for extracting important words for document classification task.	
HONORS AND AWARDS	<ul style="list-style-type: none">• Ranked 3rd (out of 100) in term of CGP among student of computer engineering of 2013 Entrance 2017• Ranked 19th in the Final Stage in National Scientific Olympiad of Computer Engineering 2016• Qualified in the Selection Exam of National Scientific Olympiad of Computer Engineering 2016 Qualified as 9th among the students in all the Universities in the Tehran Region• Best Score in Mathematics Team Selection Exam 2015• Ranked Top 0.5% In The Country-wide University Entrance Exam 2013	
TEACHING EXPERIENCE	Probability and Statistics , Teaching Assitant spring 2018 Special Class for Olympiad Preparation , Instructor spring 2017 and 2018 Algorithm Design , Teaching Assitant spring 2017 Algorithm Design , Teaching Assitant spring 2016	