

"If you can dream it, you can do it ". It is a sentence that I have been reviewing constantly for several years which I now feel as part of my existence. I was born within a large family. My father is retired from the navy, and is an exact disciplinarian. Hence discipline and planning have always had a great role in my raising. I am the only child among my siblings who wants to peruse education. In order to fulfill this aim, I am enthusiastically applying to AAAAAA University for admission to the Ph.D. program of Industrial Engineering.

I have always considered my senior brother my mentor because of several reasons. Our age gap is about 18 years. He has a unique perspective to life, and he is an honest person. He was the first person among my siblings to continue his education and obtain an M.S of Mechanical Engineering with an excellent grade from one of the most prestigious and grand universities in Iran (Iran University of Science and Technology). I have always looked up to him. Hence, my admiration for my brother encouraged me to look forward to a vocation as an engineer. My first true introduction to industrial engineering was after consulting with my brother.

I spent four years in Islamic Azad University, the best private university among the Iranian universities, with a B.Sc. in industrial engineering in the field of planning and system analysis. During my four-year study, I always attempted to learn the broad diversity of techniques involved in problem solving in order to find out the optimum methods for improving manufacturing processes. I am a hard-working person and with regard to my notable performance in all of my courses, my GPA is 3.34 out of 4, where the mean GPA of the department is as low as 2.3 because of the unbending strategy of grading in our university. I was almost always graded among the top 5 in my technical courses.

Besides academic activities, I have participated in other accomplishments like scheduling and performing outside training courses as "**Quality Management System Internal Audit**" cooperating with TÜV-Academy Rheiland, "**Introduction to DIN EN ISO TS 16949 : 2002**" cooperating with TÜV-Academy Rheiland, "**Strategic Management**" cooperating with IRAN INSTITUTE OF INDUSTRIAL ENGINEERING and at last not least, "**Failure Mode Effect Analysis-FMEA.**" In this regards, I proudly received a commendation from Cultural vice president, Scientific communities director and Head of industrial engineering department. With consideration of my noteworthy experience, I profoundly understand several concepts and abilities like team-work, efficient resource investigation and independent research.

Although the theoretical courses increase my eagerness about my major, the lack of practical experience made me attend several projects to satisfy my curiosity in practice. I was hired as a part-time job employee in two enterprises during my Bachelor of Science ("**Godakhtar Group Ind. Co.**" and "**Machine Sazi Arak Ind. Co.**" respectively). I was cooperating to find out their shortcomings in manufacturing line, organizational structure and organizational formal relations to increase their efficiency and facilitate their processes. Moreover, I had spent my internship in "**Machine Karan Arak Ind. Co.**" contributing in planning and human-

resource department. I completed my final thesis of Bachelor of Science under supervision of Dr. Khalili by obtaining a full grade with a theme of Inventory Control in "**Vagon Pars Co.**"

After finishing my B.Sc., I was passionate about pursuing a graduate degree at a prestigious university. In 2013, I participated in the national entrance exam for M.S. of industrial engineering. My score on the exam ranked me 380th among more than 8000 participants, and gladly succeeded in being accepted into the University of Tehran, one of the most well-known and valid universities. Throughout all topics during my M.S., I was fascinated by occupational human behavior, Health and safety, human factors and resilience engineering. Hence, I started to gain more knowledge regarding the mentioned topics. Also I took part in various research papers under the supervision of Dr. A. Azadeh.

Furthermore, eight-month co-operating with Mr. Azadeh gives me an excellent opportunity to find out what I would like to do as my final thesis. For the first time, this thesis integrates HSE (Health, Safety and Environment) and RE (Resilience Engineering) factors for overall performance optimization of an actual auto-parts manufacturer. Moreover, the impacts of HSE factors on enhancement of RE have been surveyed, and vice versa. The thesis is a practical approach for decision-makers to realize the indicators which can have significant influence in their systems and how they can improve the performance of their sources.

Engineering and research are not only my interests in university, but also are a manner of my life. I have been living on my own since 2010, and I have been applying for that principle as much as possible in my daily life. Since 2014, I have been working and studying simultaneously. I always work extremely hard and overcome all of the restrictions to obtain what I desire. I have been working full-time in the foreign commercial department of a great gearbox manufacturer (**Nirou Moharreke Industrial Company**) as the assistant of planning & coordinating division. I am also a commercial expert. With regard to my experience from working and studying environments, I deeply realized educational atmosphere has more positive influence on me. Thus, I decided to put all of my attention on academic research.

I take pleasure in learning and do not want to deprive myself of this potential desire by giving up my education. There are some determined research topics that I would like to be involved in such as resilience engineering, ergonomics, health care, occupational safety and human factors. My attention to applying to Ph.D. program at AAAAAA University is due to its honorable faculty, high excellence of study and strong research facilities, where problems have been solved via theories and advanced technologies together. My future plan for career is that I become a faculty member at a prestigious university or a professional researcher and a developer at cooperation. I look forward to your consultation to help me through that best position by considering my capabilities and determining if I have a chance to do my best output there.