

Seyedehsaba Salehi

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📄 <https://sabasalehi.github.io>

- Research Interests ◇ Bioinformatics, Computational Biology, Machine Learning, Medical Imaging, Theory of Computation and Complexity Theory
- Education ◇ **Sharif University of Technology, Tehran, Iran (2014 - Present)**
B.Sc in Computer Science GPA to date: 17/20
Relevant Courses:
Design and Analysis of Algorithms (18.8/20), Intro to Bioinformatics (20/20), Advanced Bioinformatics (19.5/20), Linear Algebra (16/20), Principals of Image Processing (18/20), Computer Vision (17/20), Theory of Computation (18.1/20), Advanced Graph Theory (16.1/20), Stochastic Processes (17/20), Linear Programming (16.9/20),
ongoing: Artificial Intelligence (Fall 2018)
◇ **Farzanegan High School, National Organization of Developing Exceptional Talents**
Diploma in Mathematics and Physics Discipline
- Honors and Awards ◇ Ranked top 0.7% in the National Entrance Exam for Public Universities of Iran, 2014
◇ Admitted to the second round of Iranian National Olympiad in Informatics, 2013
- Research Experiences ◇ **Are Biological Processes and Pathways Tissue-specific in Systemic Sclerosis? An Integrative Gene Expression Analysis (April-October 2018)**
under supervision of professor Ali Sharifi-Zarchi, our results are submitted to "Functional & Integrative Genomics" Journal
◇ **Deep Learning on cancer image and genome data (November 2018 -)**
under supervision of professor Ali Sharifi-Zarchi
- Projects ◇ **Some Image Processing and Computer Vision methods in matlab**
including: texture synthesizing, normalized cut, poisson blending, morphing, making panorama, and bag of visual words
◇ **Phylogenetic Tree of Ebola Viruses in R**
- Working Experience ◇ **Teaching Assistant**
Advanced Programming, Dr. Boomari, Spring 2016
Database, Dr. Boomari, Spring 2017
Theory of Computation, Dr. Ahadi, Spring 2018
◇ **Summer internship at Rahnema Corporation**
developing a location based social media application for android, summer 2017
- Skills ◇ **Programing Languages**
Expert in: Java, C++, and MATLAB
Experience in: R (experience with biological libraries), HTML, CSS, python, javascript, react native, Objective C
◇ **Team Work**
Experience in working with Scrum framework