

# 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 third round of Iranian National Olympiad in Informatics, 2013
- Research Experiences      ◇ **Analysis of gene expression profiles and protein-protein interaction networks in multiple tissues of systemic sclerosis (April-October 2018)**  
under supervision of professor Ali Sharifi-Zarchi, our results are submitted to "Clinical Rheumatology" 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  
◇ **Internship at Rahnema Corporation**  
developing a location based social media application for android, summer 2017  
implementing a recommender system using deep learning, winter 2019 (ongoing)
- 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