

Mekan Myradov

Personal Webpage: <https://mekanmyradov.github.io/>

Email : mekan.myradov@sabanciuniv.edu

EDUCATION

- **Sabanci University** Istanbul, Turkey
MSc in Data Science; GPA: 3.54
Courses: Machine Learning, Pattern Recognition, Deep Learning, Network Science, Big Data Processing
Statistical Inference, Engineering Optimization. *Sep 2022 - Current*

SKILLS SUMMARY

- **Languages:** Python, R, C, C++, Java, Unix scripting
- **Tools:** PyTorch, GIT, Hadoop, Apache Spark, Snowflake

PUBLICATIONS

- Aissa Houdjedj, Yacine Marouf, **Mekan Myradov**, Onur Dogan, Burak Onur Erten, Oznur Tastan, Cesim Erten and Hilal Kazan
SCITUNA: Single-Cell data integration tool using network alignment, BMC Bioinformatics, 2025.
[PDF](#) / [Code](#)

ACADEMIC PROJECTS

- **A Toolbox for ANOVA and Linear Regression:** Calculated confidence intervals and F-tests for 1-way ANOVA, 2-way ANOVA and Linear Regression utilizing Scheffe's and Tukey's methods given test contrasts. (May '25)
[PDF](#) / [Code](#)
- **Synthetic Data Generation with Gaussian Mixture Models:** Implemented a synthetic data generation algorithm in Python using Gaussian Mixture Models. (Sep '23)
[PDF](#) / [Code](#)

ACADEMIC ACTIVITIES

- **International Conference on Research in Computational Molecular Biology** Istanbul, Turkey
Participant *Apr 16, 2023 - Apr 19, 2023*
- **Workshop on the analysis and integration of scRNA-seq datasets** Antalya, Turkey
Participant *Mar 23, 2023*

EXPERIENCE

- **Sabanci University** Istanbul, Turkey
Teaching Asistant *Sep 2022 - Current*
 - **Courses:** Software Engineering, Advanced Programming
 - Held weekly recitation session and office hours.
 - Graded programming homework and examinations.
- **Cognitiwe AI** Istanbul, Turkey
Research Intern *May 2021 - Sep 2021*
 - Done research about feature detectors from images.
 - Ran experiments with SIFT, ORB, and SURF.
- **Mimix AI** Istanbul, Turkey
Research Intern *Dec 2020 - Apr 2021*
 - Done research about face swap algorithms.
 - Implemented various face swap algorithms and ran experiments.

HONORS AND AWARDS

- TUBITAK Research Scholarship, 2022-2025.
- Sabanci University Tuition Waiver Scholarship, 2022-2026.

LEAVES

- Military Service, Feb 2024 - Feb 2025.