ALI REZA IBRAHIMZADA

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EDUCATION

Marmara University, Istanbul, Turkey **June 2020 - Present**
Bachelor of Science CGPA: 3.98/4.00
Department of Computer Engineering

Istanbul Sehir University, Istanbul, Turkey **August 2018 - June 2020**
Bachelor of Science CGPA: 3.96/4.00
Department of Computer Science and Engineering

Khana-e-Noor, Mazar-e-Sharif, Afghanistan **March 2014 - December 2016**
High School Grade: 99%. Rank: 1

PROFESSIONAL EXPERIENCE

University of Illinois Urbana-Champaign, IL, USA **May 2021**
Research Intern **- Present**

Istanbul Technical University, Istanbul, Turkey **June 2020**
Research Intern **- September 2020**

Istanbul Sehir University, Istanbul, Turkey **June 2019**
Research Assistant, Bioinformatics and Databases Lab **- June 2020**

TEACHING EXPERIENCE

Istanbul Sehir University, Istanbul, Turkey **September 2019**
Teaching Assistant **- June 2020**

Activities and Responsibilities: Preparing assignments, grading assignments, grading exams, holding practice sessions, and holding office hours.

- ENGR 101 (Introduction to Programming) in Fall 2019
- ENGR 102 (Programming Practice) in Spring 2020

RESEARCH EXPERIENCE

Istanbul Technical University, Istanbul, Turkey **June 2020**
Research Intern **- September 2020**

- Designed and developed a clustering-based framework for predicting student success
- Extended the proposed framework with the novel statistical learning algorithms

- Evaluated the proposed framework on a real life student-course dataset
- The proposed framework improved the state of the art methods by nearly 36%

Istanbul Sehir University, Istanbul, Turkey **June 2019**
Research Assistant, Bioinformatics and Databases Lab **- June 2020**

- We develop computational models and automated analysis methods for biological data. Moreover, we develop data mining and management algorithms to automatically predict variety of data pieces in diverse applications that range from predicting students' academic success to classification of living organisms.

DEVELOPMENT EXPERIENCE

Marmara University, Istanbul, Turkey **June 2020**
Projects **- Present**

- *Certificiency*: We designed and implemented an Event Management System which eases the process of event creation, event management, and issuing e-certificates to participants of an event. Certificiency is based on a peer-to-peer architecture and it is specifically built for big institutions.
- *Data Labeling System*: We designed and implemented a Data Labeling System for labeling instances of different datasets using Java. Users can load their datasets in a pre-defined format, and the application exports many useful metrics which helps in understanding the quality of labeled data.
- *Zoom Poll Analyzer:* We designed and implemented a Poll Analysis System for analyzing poll results of Zoom using Python. Users can load their student lists, answer keys and polls based on a pre-defined format. The application exports different statistics and reports ranging from attendance to clustering analysis for cheat detection.

Istanbul Sehir University, Istanbul, Turkey **August 2018**
Projects **- June 2020**

- *Smart Advisor*: An intelligent web-based agent which uses machine learning to help students predict their letter grades before registering to a course. Instructors can follow their advisees progress and view different statistics of the class. Students can rate their courses and instructors which affects later predictions.

PUBLICATIONS

Journal Publications

J1. Sohsah, G., Ibrahimzada, A. R., Ayaz, H., & Cakmak, A. (2020). Scalable Classification of Organisms into a Taxonomy Using Hierarchical Supervised Learners. *Journal of Bioinformatics and Computational Biology.* doi: 10.1142/S0219720020500262

Conference/Workshop Publications

C1. Cakmak, A., Ibrahimzada A. R., Arikan, S., Ayaz, H., Demirkol, S. et al. (2019). Predicting the Predisposition to Colorectal Cancer based on SNP Profiles of Immune Checkpoints Using Supervised Learning Models. *VII. International Molecular Medicine Congress*, 20-21. (congress book) (full-text)

Manuscripts under revision

M1. Ibrahimzada, A. R., & Cakmak, A. (2020). Predicting Student Grades in Courses: A Clustering-Based Approach. *IEEE Transactions on Learning Technologies.*

HONORS AND AWARDS

- Academic Achievement Scholarship, 100% scholarship in accordance with high GPA in 2019-2020, 2020-2021, and 2021-2022 academic years. Istanbul Sehir University & Marmara University. **July 2019**
- Valedictorian of graduating classes in high school. Khana-e-Noor Educational Network. **January 2017**
- Travel Award for attending QUEST-2015, 4th International Festival of Biotechnology in Lucknow, India. Khana-e-Noor Educational Network. **August 2015**

ACTIVITIES

- Team leader, 11th Afghanistan National Science Competition, Kabul, Afghanistan **September 2016**
- Team member, 4th International Festival of Biotechnology, Lucknow, India **August 2015**

TEST SCORES

TOEFL iBT (CEFR Level B2) **July 2018**
Education Testing Service (ETS) **- July 2020**

Reading	Listening	Speaking	Writing	Overall
18	18	24	23	83

IELTS Academic (CEFR Level B2) **February 2017**
British Council **- February 2019**

Reading	Listening	Speaking	Writing	Overall
6.5	7.5	6.0	6.5	6.5

LANGUAGES

- Persian - Native or bilingual proficiency
- Pashto - Native or bilingual proficiency
- English - Full professional proficiency
- Turkish - Professional working proficiency