Res. Asst. BÜŞRA BÜYÜKTANIR

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Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied
Sciences, Department of Computer Engineering, Turkey 2022 - Continues
Postgraduate, Marmara University, Faculty of Technology, Computer Engineering, Turkey
2019 - 2022
Undergraduate, Kirikkale University, Faculty Of Engıneerıng, Department Of Computer
Engıneerıng, Turkey 2010 - 2014

Biography

Research Assistant Büşra BÜYÜKTANIR, born in Uşak in 1992, completed her secondary education at Hatay Hüseyin
Özbuğday Anatolian High School in 2010. She pursued her undergraduate studies in Computer Engineering at Kırıkkale
University, graduating in 2014. In 2021, she earned her master's degree in Computer Engineering from Marmara
University. Between 2019 and 2021, she served as a research assistant in the Department of Software Engineering at
Istanbul Altınbaş University. Following this, she joined the Computer Engineering Department at Marmara University's
Faculty of Technology as a research assistant in 2021. Currently, she continues her academic journey as a doctoral
student in the same department.

Her research interests include machine learning, machine unlearning, and federated learning.

Dissertations

Postgraduate, Du-CBA: Data Unaware And Incremental Classification-Based Association Rules Extraction Architecture
(Federated Learning), Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of
Computer Engineering, 2022

Research Areas

Engineering and Technology

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty of Technology, Computer Engineering, 2021 - Continues
Research Assistant, Altinbas University, Faculty Of Engıneerıng-Archıtecture, Yazılım Mühendisliği, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Hate speech framework in social media: A comprehensive review from past to present Sosyal medyada nefret söylemi çerçevesi: Geçmişten günümüze kapsamlı bir derleme**
BÜYÜKTANIR B., Yakar Ö., ALTINEL GİRGİN A. B.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.40, no.1, pp.685-711, 2024 (SCI-Expanded)

II. **du-CBA: Data-agnostic and incremental classification-based association rules extraction architecture du-CBA: Veriden habersiz ve artirimli siniflandirmaya dayali birliktelik kurallari çikarma mimarisi**
BÜYÜKTANIR B., YILDIZ K., ÜLKÜ E. E., Bütüktanir T.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.38, no.3, pp.1919-1929, 2023 (SCI-Expanded)

Articles Published in Other Journals

I. **Türkçe Nefret Söylemi Problemi Analizinde Farklı Sınıflandırma Algoritmalarının Ve Özellik Seçimi Yöntemlerinin Performans Karşılaştırması**
Yakar Ö., BÜYÜKTANIR B., Çil A. E., ALTINEL GİRGİN A. B.
Avrupa Bilim ve Teknoloji Dergisi, no.53, pp.97-111, 2023 (Peer-Reviewed Journal)

II. **Raspbraille: Conversion to Braille Alphabet with Optical Character Recognition and Voice Recognition Algorithm**
DALIP F., YILDIZ K., ÜLKÜ E. E., BÜYÜKTANIR B.
Hittite Journal of Science and Engineering, vol.9, pp.253-261, 2022 (Peer-Reviewed Journal)

III. **Housing Price Estimation with Deep Learning: A Case Study of Sakarya Turkey**
ÖZDEMİR M., YILDIZ K., BÜYÜKTANIR B.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.9, no.1, pp.138-151, 2022 (Peer-Reviewed Journal)

IV. **Yazılım Projelerinde Fazla Mesainin Proje Ekibi ve Projenin Yönetimine Etkisi**
PINAR M., BÜYÜKTANIR B., Emanet Ş., DOĞAN B.
International Journal of Advances in Engineering and Pure Sciences, vol.4, no.32, pp.420-429, 2020 (Peer-Reviewed Journal)

Books

I. **Data Privacy In Big Data: Federated Learning**
BÜYÜKTANIR B., DOĞAN B.
in: Current Debates on Natural and Engineering Sciences 9, ÇOĞUN, Hikmet Y., PARLAR, İshak., ÜZMUŞ, Hasan., Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.114-124, 2023

II. **NESNELERİN İNTERNETİ**
BÜYÜKTANIR T., BÜYÜKTANIR B.
Kodlab, 2017

Papers Published in Refereed Scientific Meetings

I. **YENİ NESİL MODEL EĞİTİM YAKLAŞIMI: FEDERE ÖĞRENME (NEW GENERATION MODEL EDUCATION APPROACH: FEDERATED LEARNING)**
    BÜYÜKTANIR B.
    UBAK: INTERNATIONAL SCIENTIFIC COMPILATION RESEARCH CONGRESS, Ankara, Turkey, 11 February - 12 March 2024, pp.208-212

II. **Segmentation Analysis with Classification Methods: An Application with İdeasoft E-Commerce Customer Data**
    Büyüktanır B., Doğan B., Çil A. E., Anapalı A.
    6. International Antalya Scientific Research and Innovative Studies Congress, Antalya, Turkey, 02 December 2023, pp.193-203

III. **Comparison of LDA, NMF and BERTopic topic modeling techniques on Amazon product review dataset: A case study**
    TURAN S., YILDIZ K., BÜYÜKTANIR B.
    2nd International Conference on Computing, IoT and Data Analytics, 20 July 2023

IV. **Data Privacy In Big Data: Federated Learning**
    Büyüktanır B., Doğan B.
    3.Uluslararası Mühendislik ve Doğa Bilimleri Çalışmaları Kongresi (ICENSS-2023), Ankara, Turkey, 24 - 25 May 2023, pp.114-124

V. **EFFECTS OF COVID-19 PANDEMIC ON DISTANCE WORKERS**
    DALIP F., ÇAKAR M., BÜYÜKTANIR B., DOĞAN B.
    II. INTERNATIONAL COVID-19 AND CURRENT ISSUES CONGRESS, 01 May 2021

VI. **Covid-19 Pandemisinin Uzaktan Çalışanlara Etkileri**
    Çakar M., Dalıp F., Büyüktanır B., Doğan B.
    II. Uluslararası COVID-19 ve Güncel Sorunlar Kongresi', İstanbul, Turkey, 1 - 02 May 2021, pp.8-16

Metrics

Publication: 15
Citation (Scopus): 1
H-Index (Scopus): 1