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PERSONAL

Date of Birth	1980
Place of Birth	Ankara

EDUCATION

2016-2021	Atılım University, Software Engineering, PhD
2012-2015	Atılım University, Software Engineering, MSc
2002-2006	Atılım University, Computer Engineering, BSc

ACADEMIC POSITIONS

02/2022	Assistant Prof., Department of Computer Engineering, Atılım University, Turkey
04/2021-01/2022	Assistant Prof., Department of Management Information Systems, OSTİM Technical University, Turkey
02/2020-07/2020	Guest Lecturer, Department of Computer Technologies, Ankara Yıldırım Beyazıt University, Turkey

ADMINISTRATIVE DUTIES

2022-2024	Double Major Coordinator
2024-present	Internship Coordinator
2024-present	Coordinator of Server Infrastructure
2025-present	Graduate Program Coordinator

HONORS&AWARDS

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RESEARCH INTERESTS

1	Generative AI
2	AI-Assisted Computer Vision and Deep Learning
3	Medical Image Analysis
4	Agent-Based Software Engineering
5	Adversarial AI

6	Network Security
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PUBLICATIONS

1	A. Sezen , C. Turhan and G. Sengul, "A Hybrid Approach for Semantic Image Annotation," in IEEE Access, vol. 9, pp. 131977-131994, 2021, doi: 10.1109/ACCESS.2021.3114968.
2	A. Sezen and Ç. Turhan, "A Systematic Mapping Review of Image Annotation Studies for Obtaining Information Retrieval from Images", Bilişim Teknolojileri Dergisi, vol. 13, no. 4, pp. 423-434, Oct. 2020, doi: 10.17671/gazibtd.637713.
3	A. Sezen , "Ürün Taleplerinin Tahmini ve Çeşitli Tavsiye Sistemleri için Yapay Zekâ Teknikleri," in <i>Sanayi Yönetiminde Gelecek Yaklaşımları Dijitalleşme ve Yetenekler</i> , T. Oğuzhan and Ş. Ok, Eds. Ankara, TR: Nobel Akademik Yayıncılık, 2023, pp. 773-786.
4	A. Sezen , "Blok Zincirin Güvenliği, Genel ve Özel Ağlarda Güvenlik Sorunları," in <i>Blok Zincir Dünyası</i> , H. Özyürek and Z. Baysal, Eds. Ankara, TR: Nobel Bilimsel Eserler, 2023, pp. 491-507.
5	Sezen, A. and Türkmen, G., 2024. A comparative analysis of XGBoost and LightGBM approaches for human activity recognition: Speed and accuracy evaluation. <i>International Journal of Computational and Experimental Science and Engineering</i> , 10.
6	Kılıç, C., Uzun, İ.B., Ardoğan, A.T., Saleem, W. and Sezen, A. , 2024. Security Issues of Remote Work Environments and Alternative Solution Approaches. <i>International Journal of Multidisciplinary Studies and Innovative Technologies</i> , 8(1), pp.46-51.
7	Türkmen, G., Sezen, A. and Şengül, G., 2024. Comparative Analysis of Programming Languages Utilized in Artificial Intelligence Applications: Features, Performance, and Suitability. <i>International Journal of Computational and Experimental Science and Engineering</i> , 10(3), pp.461-469.
8	Ural, D.I. and Sezen, A. , 2024. Research on PCB defect detection using artificial intelligence: a systematic mapping study. <i>Evolutionary Intelligence</i> , 17(5), pp.3101-3111.
9	Adem, A., Turhan, Ç. and Sezen, A. , 2024. Systematic Mapping Study on Natural Language Processing for Social Robots. <i>International Journal of Computational and Experimental Science and Engineering</i> , 10(4).

PROJECTS

1	Virtual Socializer, TÜBİTAK 1507 PROJECT , <i>Expert</i> , 02.2021 – 01.2022 (NATIONAL)
3	Chamber: Bulanık Kümeler ve Küresel Konumlama Esasları Üstüne Kurulu Sosyal Ağ Platformu, TÜBİTAK 1511 PROJECT , <i>Expert</i> , 09.2018 – 12.2020 (NATIONAL)
4	T.C. Sağlık Sisteminin Güçlendirilmesi ve Desteklenmesi Projesi, THE WORLD BANK PROJECT , <i>Consultant</i> , 03.2017 – 10.2019 (INTERNATIONAL)
5	Sağlık Bilişim Ağı Projesi, <i>Consultant</i> , 07.2016 – 03.2017 (NATIONAL)
6	Strengthening the coordination of anti-Corruption policies and Practices in Turkey (TYSAP) Project, The Council of Europe Project , <i>Consultant</i> , 03.2015 – 05.2015 (INTERNATIONAL)
7	AVM Yemek Katları ve Restorasyonlar için Otomasyon, Teknogirişim Sermaye Desteği, <i>Expert</i> , 04.2011 – 04.2012 (NATIONAL)
8	Lisans Dersleri için Zaman Serisi ile Açılacak Şube Sayısı ve Kontenjanlarını Tahmin Eden Yapay Zekâ Sisteminin Geliştirilmesi, LAP PROJECT, <i>Principal Investigator</i> , 12.2022 – 08.2023 (ATILIM UNIVERSITY)
9	Akıllı Saat ile Fizyoterapi Hareketlerinden Veri Toplama Sistemi, LAP PROJECT, <i>Researcher</i> , 10.2024 – 06.2025 (ATILIM UNIVERSITY)
10	Yapay Zeka Yapay Zekaya Karşı: Gerçek Görüntüler ile Yapay Zeka ile

	Üretilen Sahte Görüntülerin Birbirinden Ayırıştırılması İçin Yapay Zeka Temelli Bir Çözüm Önerisi, LAP PROJECT, <i>Researcher</i> , 10.2024 – 06.2025 (ATILIM UNIVERSITY)
11	The Merchant, TÜBİTAK 1501 PROJECT , <i>Consultant</i> , 11.2023 – 11.2025 (NATIONAL)
12	Kamera Görselleri ile Bilgisayar Destekli Üretilmiş 3B Kafa Modeli Mukayese Uygulaması, TÜBİTAK 1501 PROJECT , <i>Consultant</i> , 12.2023 – 12.2025 (NATIONAL)
13	Anlık Geriçatma Yöntemi ile Sanal Gerçeklik Destekli Olay Yeri İnceleme Sistemi, TÜBİTAK 1501 PROJECT , <i>Consultant</i> , 09.2025 – 09.2027 (NATIONAL)
14	Kişiselleştirilmiş ve Modüler Sosyal Robot Tasarımı İçin Yazılım Platformu Geliştirilmesi ve Uygulanması, TÜBİTAK 1005 PROJECT , <i>Researcher</i> , 04.2024 – 10.2025 (NATIONAL)
15	Synthetic Data Enhanced Multi-Camera Intruder Detection Using Edge AI Project, <i>Principal Investigator</i> , supported by NVIDIA (US) via NVIDIA Academic Grant Program , 07.2025 – 07.2026 (INTERNATIONAL)

PATENTS

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CONFERENCE PRESENTATIONS

1	A. Sezen , A. Bostan and A. Yazıcı, "Security Issues of Cloud Computing and Alternative Approaches", ICAT'14 International Conference on Advanced Technology & Sciences, pp. 409-413, Antalya, August 2014.
2	A. İ. Adem, M. F. Bakal, N. Dumanoğlu, D. B. Sözer, A. Şen and A. Sezen , "Artificial Intelligence Assisted Skin Cancer Detection", 11th International Academic Studies Conference (UBCAK), pp. 215-216, Online, May 2023.
3	F. N. Güler, A. U. Saka, E. Erbay, E. Akyüz, F. Amirli and A. Sezen , "Breast Cancer Tumor Stage Prediction Using Machine Learning", The Atılım University Engineering Sciences and Research Student Congress (MÜBAK-2023), p. 52, Ankara, May 2023.
4	C. Taşkın, K. Afacan, Ö. B. Kundak, Ş. G. Mesci, Z. N. Ulaş and A. Sezen , "Artificial Intelligence Assisted Emotion Analysis in Online Meetings", The Atılım University Engineering Sciences and Research Student Congress (MÜBAK-2023), p. 51, Ankara, May 2023.
5	A. İ. Adem, M. F. Bakal, N. Dumanoğlu, D. B. Sözer, A. Şen and A. Sezen , "Nevus Categorization and Risk Detection with Transfer Learning", The Atılım University Engineering Sciences and Research Student Congress (MÜBAK-2023), p. 100, Ankara, May 2023.
6	E. İ. Kaltalıoğlu, E. Özgür, K. K. Köse, E. Korkmaz and A. Sezen , "Automated Expense Tracking with Invoice Scanning", The Atılım University Engineering Sciences and Research Student Congress (MÜBAK-2023), p. 53, Ankara, May 2023.
7	H. İ. Güç, A. E. Arıkan, Ç. Ayan, B. Küçükkömürcü and A. Sezen , "AI-Based Approaches for Determining University Courses' Section and Student Numbers", The Atılım University Engineering Sciences and Research Student Congress (MÜBAK-2023), p. 50, Ankara, May 2023.
8	Alsaeh, A. and Sezen, A. , 2024, September. Semantic Interoperability and Reusability in IoT: a Systematic Mapping Study. In <i>2024 8th International Artificial Intelligence and Data Processing Symposium (IDAP)</i> (pp. 1-7). IEEE.
9	Kurt, B., Adem, A. İ., Bakal, M. F., Alburki, H. and Sezen, A. , 2024, August. Understanding Large Language Models in Cybersecurity Domain. In <i>International Conference on Engineering, Natural Sciences, and Technological Developments (ICENSTED 2024)</i> (pp. 891-898).
10	O. Kaya, K. Özbek, A. Bektaş, İ. B. Koçabaş, G. Şengül and A. Sezen , "A Deep Learning Approach for Detection of Fake Face Images", The Atılım University Engineering Sciences and Research Student Congress (MÜBAK-2025), p. 59, Ankara, May 2025.
11	H. S. Toraman, S. Güzeldal, S. Kocaoğlu, G. Apaydın, G. Türkmen and A. Sezen , "Data Collection System for Physiotherapy Movements via Smartwatch", The Atılım University Engineering Sciences and Research Student Congress (MÜBAK-2025), p. 51, Ankara, May 2025.

CITATIONS

Sum of times cited without self-citations	
H-index:	

COURSES GIVEN

1	Advanced Deep Learning Techniques and Applications
2	Applied Large Language Models
3	Penetration Testing
4	Senior Project

5	Computer Programming (Python, C)
6	Object-Oriented Design and Programming (C++, Python)

THESES SUPERVISED

2024 – N.A. SHAIKH	Analysis and debugging of code samples using large language models
2024 – D.I. URAL	A comparative study of augmentation techniques for defect detection in PCB manufacturing: Identifying the best approaches for limited datasets
2025 – S.T.Y. AL HAMMADI	Usage of machine learning models to identify effective genes in lupus nephritis