

**Name-Surname: Aysu İrem Adem**

**Research Assistant**

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Department of Information Systems Engineering

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## EDUCATION

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| <b>2023 - Present</b> | Dept. of Software Engineering, Atılım University, M.S. |
| <b>2021 - 2023</b>    | Dept. of Software Engineering, Atılım University, B.S. |
| <b>2018 - 2023</b>    | Dept. of Computer Engineering, Atılım University, B.S. |

## ACADEMIC POSITIONS

|                       |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| <b>2023 - Present</b> | Research Asst., Dept. of Information Systems Engineering, Atılım University |
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## RESEARCH INTERESTS

|          |                             |
|----------|-----------------------------|
| <b>1</b> | Mobile Applications         |
| <b>2</b> | Web Programming             |
| <b>3</b> | Programming Languages       |
| <b>4</b> | Natural Language Processing |
| <b>5</b> | Large Language Models       |
| <b>6</b> | Generative AI               |

## PUBLICATIONS

|          |                                                                                                                                                                                                                                                                                              |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | Adem, Aysu İrem & Turhan, Cigdem & Sezen, Arda. (2024). Systematic Mapping Study on Natural Language Processing for Social Robots. International Journal of Computational and Experimental Science and Engineering. 10. 10.22399/ijcesen.341.                                                |
| <b>2</b> | Kurt, B., Adem, A. İ., Bakal, M. F., Alburki, H. ,& Sezen, A. (2024, August). Understanding Large Language Models in Cybersecurity Domain. Paper presented at the International Conference on Engineering, Natural Sciences, and Technological Developments (ICENSTED 2024), Erdek, Türkiye. |
| <b>3</b> | Adem, A. İ., Bakal, M. F., Dumanoğlu, N., Sözer, D. B. , Şen, A. & Sezen, A. (2023, May). Artificial Intelligence Assisted Skin Cancer Detection. Paper presented at the 11th International Academic Studies Conference (UBCAK), Türkiye.                                                    |
| <b>4</b> | Adem, A. İ., Bakal, M. F., Dumanoğlu, N., Sözer, D. B. , Şen, A. & Sezen, A. (2023, May). Nevus Categorization and Risk Detection with Transfer Learning. Paper presented at the Engineering Sciences and Research Student Congress (MÜBAK), Türkiye.                                        |

## PROJECTS

|   |                                                                                                                                                       |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Kişiselleştirilmiş ve Modüler Sosyal Robot Tasarımı için Yazılım Platformu Geliştirilmesi ve Uygulanması (TÜBİTAK -ARDEB 1005,Nisan 2024 - Ekim 2025) |
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## COURSES GIVEN

|   |                                               |
|---|-----------------------------------------------|
| 1 | CMPE 113 - Computer Programming I Lab.        |
| 2 | CMPE114 - Computer Programming II Lab.        |
| 3 | CMPE341 - Database Design and Management Lab. |
| 4 | CMPE334 - Computer Networks Lab.              |
| 5 | CMPE431 - Operating Systems Lab.              |
| 6 | CMPE 102 – Computer Programming Lab.          |
| 7 | ISE311 - Internet Programming Lab.            |
| 8 | CMPE 318 – Java Programming Lab.              |