

DİLARA ŞENAY

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PROFESSIONAL SUMMARY

Results-driven Management Information Systems graduate (Ankara Medipol University, GPA 3.67/4.00, ranked 2nd in department, 100% Merit Scholarship) with proven expertise in Python, SQL, Machine Learning, and Statistical Modeling. Experienced in building end-to-end data pipelines, predictive models, and interactive visualizations across internship and research settings. Co-author of an accepted publication in the International Journal of Social Determinants of Health and Health Services (SAGE) and researcher on a TÜBİTAK 2209-A grant investigating AI-era digitalization in Türkiye. Proficient in SAP BTP, CAP, and SAPUI5 for enterprise application development. Selected for Google's AI and Technology Academy, ranking in the top 4.7% of over 31,700 applicants. Passionate about applying AI and data analytics to solve real-world business problems.

TECHNICAL SKILLS

Programming: Python, SQL, R, C

Data Science: Pandas, NumPy, Scikit-learn, Feature Engineering, Regression, Classification, Clustering, Statistical Modeling

Machine Learning: Supervised & Unsupervised Learning, Deep Learning (CNN, ResNet, VGG), Natural Language Processing

Visualization: Power BI, Tableau, Streamlit, Matplotlib, Seaborn, Excel

Databases: MySQL, PostgreSQL, SQLite, SAP HANA

SAP Technologies: SAP BTP, CAP, SAPUI5/Fiori

Tools: Git, GitHub, Jupyter, VS Code, REST APIs

Languages: Turkish (Native), English (Professional Working Proficiency)

EDUCATION

Bachelor of Science, Management Information Systems | Ankara Medipol University, Ankara, Turkey *Sept 2022 – June 2026*

- Graduated 2nd in Department | GPA: 3.67 / 4.00
- Awarded 100% Merit Scholarship

PROFESSIONAL EXPERIENCE

Data Science Intern | Lotus AI Yapay Zeka ve Bilişim Çözümleri A.Ş.

Nov 2025 – Jan 2026

- Developed end-to-end data processing and machine learning pipelines using Python, SQL, and KNIME.
- Designed and executed ETL processes and data integration workflows through advanced SQL queries.
- Built and evaluated classification, regression, and clustering models to support data-driven decision-making.
- Created analytical data visualizations using Pandas, Matplotlib, Seaborn, and Plotly.
- Conducted deep learning benchmarking across CNN, ResNet, and VGG architectures to compare model performance.

R&D Project Intern | Ankara University

June 2025 – July 2025

- Monitored R&D projects and innovation activities through the Ar-Ge Portal system.
- Maintained project documentation, technical reports, and records for active initiatives.
- Supported project lifecycle management processes across multiple research initiatives.
- Tracked project progress and prepared status reports for stakeholders.

PUBLICATION

Cece, S., Pinar, A., & Şenay, D.

"The Impact of Public Healthcare Practices on Out-of-Pocket Health Expenditures in Turkey" — Accepted for publication, International Journal of Social Determinants of Health and Health Services (SAGE Publications).

SELECTED PROJECTS

Analysis of Out-of-Pocket Health Expenditures

Python, Pandas, Scikit-learn, Statsmodels

- Analyzed determinants of out-of-pocket healthcare expenditures using large-scale household survey data.
- Performed exploratory data analysis, feature engineering, and regression modeling to identify key cost drivers.
- Generated policy-oriented insights through statistical analysis and data visualization.

AI-Era Digitalization Analysis of Türkiye — TÜBİTAK 2209-A Research Project

Python, Machine Learning, NLP

- Conducting a TÜBİTAK-funded research project analyzing regional digitalization and the digital divide in Türkiye.
- Applying machine learning, statistical modeling, and NLP techniques to large-scale public datasets.
- Investigating the impact of demographic and socioeconomic factors on digitalization levels.

SAP BTP User Management Application

SAP CAP, SAPUI5, SAP HANA Cloud

- Developed a full-stack cloud application on SAP Business Technology Platform.
- Implemented CRUD operations and OData services using SAP CAP.
- Designed SAPUI5 interfaces for user management and data processing workflows.

PROFESSIONAL DEVELOPMENT

AI Expertise Program | National Technology Academy (Milli Teknoloji Akademisi), Republic of Türkiye Ministry of Industry and Technology *Jan 2026 – Feb 2026*

AI Trainee | AI and Technology Academy (YZTA) — Google Turkey, Türkiye Entrepreneurship Foundation & T3 Foundation *Dec 2025 – Present*

- Selected among 1,500 participants from over 31,700 applicants (Top 4.7%).
- Specializing in Generative AI, Multi-Agent Systems, and Google Project Management.

AI Module Participant | Council of Higher Education (YÖK) Data Analysis School *Oct 2025 – May 2026*

- Focused on Retrieval-Augmented Generation (RAG), AI Agents, and Machine Learning algorithms.

CERTIFICATIONS

- Machine Learning & Feature Engineering — Miuul
- Google Project Management Professional Certificate
- Introduction to AI — Google
- Maximize Productivity with AI Tools — Google
- Cloud Computing & Advanced Excel — BTK Academy

REFERENCES

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