GULUSAN ERDOGAN-OZGUL

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Machine Learning & Data Science — Decision Systems & Representation Learning

EDUCATION

- MIT Professional Education – Applied Data Science Program (2022)
- Northeastern University – MBA
- Marmara University – M.B.A. (Research Thesis) & B.B.A.

CORE TECHNICAL SKILLS

- Python, ML, NLP, Transformers
- PCA, SVD, t-SNE
- Azure ML, SQL
- Model Evaluation (ROC-AUC, PR)

SELECTED PROJECTS

- SVD Recommendation System – RMSE & precision@k.
- CNN vs ANN – MNIST classification.
- Dimensionality Reduction – PCA/SVD/t-SNE.
- Transformer Sentiment Model – Error analysis.
- Imbalanced Learning – SMOTE & thresholds.
- Azure ML Pipelines – Cloud reproducibility.

RESEARCH & PROFESSIONAL INTERESTS

- Representation learning, clustering, latent structure modeling.
- Decision systems, human–algorithm workflows, data-centric ML.
- Responsible AI, fairness, transparency, ethical deployment.
- Sociotechnical systems, governance of institutional pipelines.

PUBLICATION

Master's Thesis (2002): Obstacles to Career Advancement for Women Managers — Empirical study.

ADDITIONAL

- Citizenship: U.S. Citizen
- Location: Boston, MA
- Interests: ML, systems thinking, AI governance