Samet Kenar

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EDUCATION

Middle East Technical University, Faculty of Arts and Science — Ankara, Türkiye

Statistics, Bachelor of Science — 09/2019 – 06/2025

- **Cumulative GPA:** 2.92/4.0
- **Honor's :** Dean's List (3 semester)

EXPERIENCE

Management Analyst (Data Scientist)

2024 October – 2025 May

Presidency of The Republic of Türkiye Human Resources Office — *Department of Assessment and Evaluation*

- Reduced National Internship Program data-processing time from 48 hours to 30 minutes by refactoring algorithms with R parallel programming libraries.
- Developed and Docker-deployed two R Shiny data-collection applications for AI Automation Risk Analysis and Job Evaluation in the İş Bilge and Competency-Based Personnel Reform projects; designed backend, database, and user authentication on Shiny Server/Nginx, and resolved session-collision issues.
- Collected data from ChatGPT and ClaudeAI utilizing AI Automation Risk Analysis app, benchmarked it against expert datasets, and built AI Exposure & Substitution score models; conducted comparative analysis and delivered interactive R Shiny dashboards.
- Built a two-stage job family & subgroup classifier in Streamlit using feed-forward neural networks for İş Bilge project.
- Implemented Selenium-based web-scraping tools that automate dynamic-content extraction and deliver reliable, consistent data across multiple sources.

Data Science Intern

2024 June – 2024 September

Presidency of The Republic of Türkiye Human Resources Office — *Department of Assessment and Evaluation*

- Launched a Python/Selenium-based data-pipeline to monitor Kariyer Kapısı job postings, extracting role info to multi-table MySQL storage for the Business Analysis project.
- Profiled Turkish university students through multivariate analysis of 2020-2024 National Internship Program dataset, defining research questions and findings to stakeholders.
- Extracted detailed data on 1000+ O*NET job groups with Python/Selenium web-scraper; stored in structured format for Business Analysis Project.
- Completed a month-long literature review for the 'Structured Job Analysis in Public Sector' project, producing an academic report on Türkiye's public-personnel management history, reform efforts, and current Business/Job Analysis initiatives.

Corporate Banking Intern

2023 August

Denizbank Capital Regional Directorate — *Corporate Banking*

- Analyzed income statements, balance sheets and cash-flow statements, assessing liquidity, profitability and leverage ratios to inform credit decisions.
- Reviewed cash and non-cash loan portfolios (₺200 M+) to evaluate collateral quality and repayment capacity, reducing credit-default risk.
- Built automated amortization schedules and loan-package models in Excel (advanced formulas & VBA), decreasing preparation time.

Invesment Management and Control Intern 2022 August

Ministry of Transport and Infrastructure *Department of Investment Management and Control*

- Built an Analytic Hiearchy Process (AHP) model to score and rank public-investment projects via multi-criteria analysis.
- Authored a Multi-Criteria Decision Making (MCDM) report priotirizing projects in 5 ministry sub-sectors.
- Analyzed Transportation Investment System metadata, pinpointing input/output data-quality gaps and recommending remediation.

PROJECTS

Analysis of 2022-2023 Football Players for Position Detection and Classification (April 2025 – June 2025)

- Designed a Python pipeline that ingested 2689 footballers with 124 metrics, engineered 37 PCA-based features across 10 performance categories (e.g., shot efficiency, defensive reliabiliity) and benchmarked five classifiers – LogReg, RF, ANN, XGBoost, SVM. After RFECV, SVM delivered 81% test accuracy / F1 and K 0.73, enabling position-specific insights for scouts and analysts.

Matching Qualified Interns with Employers (October 2024 – March 2025)

- Authored draft article on 'Matching Qualified Interns with Employers', using National Internship Program data to model internship-offer odds. Tested 4 ML models (logistic regression, random forest, XGBoost, Lasso); random forest scored highest and surfaced key competencies via Mean Decrease Accuracy/Gini metrics.

Music Analysis on METU Students (November 2022 – January 2023)

- Led a university-wide survey (409 students, 37 departments) and built an R analytics pipeline (ggplot, ANOVA, χ^2, regression – 7 methods) to profile music-listening behaviour, performance and psychology, revealing a pronounced psychological impact on students.

SKILLS

Language: English (Advanced, B2), German (Beginner, A2)

Technical Skills: Python, scikit-learn, TensorFlow, Keras, Selenium, Pytorch, R, RShiny, SQL, Minitab, Docker, Nginx, Ubuntu Server, HTML, CSS, Statistical Modelling, Machine Learning Applications, Developing Python and R Applications, Web Scraping, Data Visualization, Business Analysis, Git, GitHub, Power BI, MS Access, Microsoft Office

REFERENCE

Available upon request.