

# Amirreza Akhavan

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## Summary

Economics undergraduate at Middle East Technical University with experience in financial analysis, data analysis, budgeting, and research. Skilled in R, Python, Excel, and quantitative economic methods. Experience as an undergraduate teaching assistant and finance intern.

## EDUCATION

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### MIDDLE EAST TECHNICAL UNIVERSITY

Candidate for B.S. in Economics

Relevant Coursework: Monetary policy, Fiscal policy, Game theory, International economics, Research methods, Python for engineers, Fundamentals of entrepreneurship, statistics for economists, Economics of AI, introduction to data science, Industrial economics, Economics of Innovation, labor Economics

Ankara, Türkiye

Oct 2022 – Present

## WORK EXPERIENCE

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### MIDDLE EAST TECHNICAL UNIVERSITY

**Undergraduate teaching assistant** ECON 208 “Economic History”

Ankara, Türkiye

Feb 2025 – Present

- Prepare and lead weekly recitation sessions for undergraduate students, improving student engagement and comprehension of economic history concepts
- Create and grade assessment materials including quizzes and assignments, ensuring timely and accurate evaluation
- Provide individualized academic support during designated office hours, addressing student questions and clarifying complex course concepts
- Maintained student records for 60+ students, processed enrollment changes, and resolved administrative issues, ensuring data accuracy and compliance with university regulations.

### ESN METU

**Treasurer**

Ankara, Türkiye

Aug 2024 – Dec 2024

- Managed an annual budget of 70k+ TL with total transactions of 500k+ TL, recording 40k TL net profit over 20 events and 3 trips over 1 semester optimizing budget allocation and operational efficiency
- Implemented budget optimization strategies resulting in 30% cost reduction while maintaining program quality
- Conducted financial negotiations with vendors and sponsors, securing favorable terms and partnership agreements
- Generated comprehensive financial reports for executive board review and financial planning
- Collaborated with cross-functional team to organize events for 100+ international students from 30+ countries each semester
- Used Excel for financial tracking, budgeting, and basic data analysis

### QNB Finansbank

**Finance 101 internship program.**

Remote

Aug 2024 – Sep 2024

- Analyzed operational workflows across 8+ departments including Payment Systems, Retail Banking, Risk Management, Digital Banking, Corporate Banking, and Treasury
- Participated in 20+ hours of professional development training in financial analysis, decision-making methodologies, and organizational effectiveness
- Collaborated with departmental managers to understand key banking functions and financial service delivery

## ACADEMIC PROJECTS

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### Econometric Analysis of Japan’s Economic Growth (1990–2023) – Econometrics II (ECON 302)

- Modeled GDP growth using exports, investment, FDI, and inflation with time-series econometric techniques.
- Applied ADF unit root tests and Johansen cointegration to validate long-run relationships.
- Estimated dynamic regression models and conducted full diagnostic testing (DW, BP, RESET, CUSUM).
- Results highlight investment as a key driver of long-term economic growth in Japan.

### Socio-Economic Dashboard Project – Introduction to data science (ECON 413)

- Built an interactive HTML dashboard analyzing socio-economic development across Turkish provinces.

- Combined data from TUIK, external agencies, and web-scraped sources (Wikipedia).
- Implemented regression, cluster analysis, and convergence analysis with data visualization.
- Developed the dashboard using R Markdown / Quarto with fully reproducible code.

## HONORS AND AWARD

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- **Full-Fund Scholarship Recipient:** Awarded a full-fund scholarship for a Bachelor of Business Administration program, distinguishing me among 3,572 awardees worldwide.

## SKILLS

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**Technical Skills:** Python, R, Excel, PowerPoint, Word

**Data & Analysis:** Data Analysis, Statistical Analysis, Financial Analysis

**Finance:** Budgeting, Financial Reporting, Cost Optimization

**Languages:** English (IELTS 6.5), Turkish (Native), Persian (Native)