

# Gokturk Colak

[gokturkcolaktkd@gmail.com](mailto:gokturkcolaktkd@gmail.com) | [linkedin.com/in/gokturkcolak](https://www.linkedin.com/in/gokturkcolak) | [github.com/gokturkcolak](https://github.com/gokturkcolak)

## EDUCATION

### Istanbul University

*Bachelor of Arts in Economics, English Program*

- **GPA: 3.65/4.00**

Beyazit, Istanbul

*Aug. 2022 – Present*

### Baskent Anatolian High School

*T-MBA Council President of Scientific and Artistic Projects*

- **GPA: 98.5/100**

Iskenderun, Hatay

*Aug. 2018 – June 2022*

## EXPERIENCE

### Undergraduate Research Assistant

*Istanbul University Informatics Department*

Nov. 2023 – June 2024

*Vezneciler, Istanbul*

- Collected and organized raw agricultural sector data, which are establishing systematic databases for analysis
- Created complete database of Management Information Systems department heads across 81 Turkish provinces
- Managed data collection projects using Microsoft Excel and Google Sheets

## PROJECTS

### Algorithmic Trading System Development | *Python, Streamlit, BinanceAPI*

Ongoing

- Building Python-based systematic investment approach with quantitative analysis capabilities
- Developing automated market analysis tools for identifying investment opportunities
- Implementing risk management frameworks and backtesting for investment strategy validation

### Academic Research Paper | *Word, Excel, EndNote, R*

Feb. 2025 – June 2025

- Conducted comprehensive 15-year macroeconomic analysis of the U.S. economy using official data sources and 20+ academic reports
- Analyzed key economic indicators including GDP, inflation, unemployment, public debt, and productivity trends
- Evaluated policy impacts across four major economic phases including Great Recession and COVID-19
- Produced structured academic report with detailed financial data tables and policy assessments

## LEADERSHIP & ACTIVITIES

### Istanbul University Data Club

*Vice President*

Istanbul, Turkey

*Oct. 2023 – Oct. 2024*

- Organized an institutional visit to IBB Data Laboratory and managed corporate communications
- Volunteered at 22nd Academic Informatics Conference focusing on technology and innovation trends.

### High School T-MBA Council

*President of Scientific and Artistic Projects*

Hatay, Turkey

*Sep. 2019 – June 2020*

- Led strategic partnerships and coordinated institutional relationships with industry leaders
- Managed entrepreneurial project development and innovation initiatives
- Managed social responsibility project development and financing initiatives

## TECHNICAL SKILLS

**Programming Languages:** Python, R

**Tools:** Excel, RStudio, Jupyter Notebook, Github

**Libraries:** pandas, NumPy, Matplotlib, tidyverse, tidyquant

**Machine Learning:** Scikit-learn, XGBoost, LightGBM

**Languages:** Turkish (Native), English (Advanced), French (Beginner)

## CERTIFICATIONS

**Financial Literacy Level 3 – SPL**

**Next Generation Banking Simulation – Isbank**

**Digital Banking – Isbank**

**Entrepreneurship Training – ISTKA Social Development Support Program**