

Gokturk Colak

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EDUCATION

Istanbul University <i>Bachelor of Arts in Economics, English Program</i> <ul style="list-style-type: none">• GPA: 3.65/4.00	Beyazit, Istanbul Aug. 2022 – Present
Baskent Anatolian High School <i>T-MBA Council President of Scientific and Artistic Projects</i> <ul style="list-style-type: none">• GPA: 98.5/100	Iskenderun, Hatay Aug. 2018 – June 2022

EXPERIENCE

Undergraduate Research Assistant <i>Istanbul University Informatics Department</i> <ul style="list-style-type: none">• 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	Nov. 2023 – June 2024 Vezneciler, Istanbul
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PROJECTS

Algorithmic Trading System Development <i>Python, Streamlit, BinanceAPI</i> <ul style="list-style-type: none">• 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	Ongoing
Academic Research Paper <i>Word, Excel, EndNote, R</i> <ul style="list-style-type: none">• 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	Feb. 2025 – June 2025

LEADERSHIP & ACTIVITIES

Istanbul University Data Club <i>Vice President</i> <ul style="list-style-type: none">• Organized an institutional visit to IBB Data Laboratory and managed corporate communications• Volunteered at 22nd Academic Informatics Conference focusing on technology and innovation trends.	Istanbul, Turkey Oct. 2023 – Oct. 2024
High School T-MBA Council <i>President of Scientific and Artistic Projects</i> <ul style="list-style-type: none">• 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	Hatay, Turkey Sep. 2019 – June 2020

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