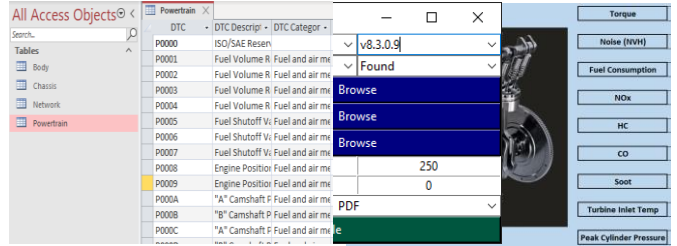# Uygar Tolga Kara

Automation Tool Developer | Data Scientist | Data Analyst

Contact

- uygartolga.kara@bosch.com
- uygartolgakara@gmail.com
- linkedin.com/in/uygartolgakara
- github.com/uygartolgakara

- Python ●●●●●
- Tableau ●●●●●
- Excel ●●●●●
- VBA ●●●●●
- Java ●●●●○
- MySQL ●●●●○○
- C, C++ ●●●○○
- Access ●●●●●
- German ●●●○○
- English ●●●●●

- Automation Tool (Python, VBA) ●●●●●
- Data Science (ML, DL, AI, NLP) ●●●●●
- Data Visualization (Tableau, BI) ●●●●●
- Generative AI (OpenAI API, Azure) ●●●●●
- Web Development (HTML, CSS, JS) ●●●○○
- Database (Access, MySQL, MSSQL) ●●●●●
- Graphic Design (Express, Stock) ●●●●○
- Calibration Tools (INCA, MDA ..) ●●●●○
- Visualization (jBeam, Steve ..) ●●●●○
- Dataset Management (VCDM ..) ●●●●○

Bosch Turkey
Application & Calibration Engineer
July 2023 - August 2024

- As innovation coordinator, managed a team, gathered info on +15 international projects and moderated a workshop.
- As data security officer trained on related competencies.
- Developed +50 automation tools with Python and VBA.
- Using J2012 standard and OpenAI API, made DTC database with powertrain, body, chassis, network codes with +18k codes with details. (causes, symptoms, recommendation..)
- Made an automation tool to jBeam which helps with launching and making PDF report with StEvE with Java.
- Made an optimization tool of an symbolic engine model. Planned to make real tool for calibration of parameters.
- Completed research on preparing chatbot for calibration.

Bosch Turkey
Internship: Feb 2022 - June 2023

- Developed +25 automation tools with Python and VBA.
- Developed Bosch Mobility Academy website which resulted in %90 project cost reduction, gathered +2000 applications.
- Automated label value search inside PDF, and setting variables in INCA using INCA API, regular expressions.

Marmara University
MS, Computer Engineering
Feb 2023 – March 2025

Yıldız Technical University
BS, Aviation Electronics
Aug 2019 – Jul 2023

- Graduation thesis: Artificial Intelligence Assisted Surrogate Modeling and Optimization of Helix Antenna for Satellite Missions

Other Skills
- MATLAB, Simulink, Stateflow
- OnShape
- ASP.Net, FTP

Certifications
- PCAP – Certified Associate in Python Programming
- Advanced Tableau
- Intermediate Machine Learning