

Parla Tellioglu

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EDUCATION

University of Birmingham – Computer Science/Software Engineering MEng	Sep 2023 – Jun 2027
Final Year, expected 2:1	
Bilkent Laboratory and International School - International Baccalaureate	Sep 2019 - Jun 2023
36/45 IB, 3.9/4.0 GPA	

EXPERIENCE

Simsoft Computer Technologies – Software Engineer Intern	Jun 2026 – Present
- Contributed to the design and development of a local-LLM-powered knowledge and compliance assistant leveraging Retrieval-Augmented Generation to support organization-wide quality management processes. - Developed AI-driven document validation and process-compliance workflows to help employees align projects and operational activities with internal procedures, standards, and quality requirements.	
Doğuş Teknoloji – Data Science Intern	Jan 2026 – Present
- Contributed to the design and development of an LLM based quality assurance automation system for customer service operations. - Developed an ARIMA based time series forecasting model using historical data to generate strategic future projections and confidence intervals.	
Python Tutoring	Sep 2024 – Present
Provided one-on-one tutoring to university Economics and Physics students, reinforcing fundamental Python programming concepts and problem solving techniques	
BirmingHack 2.0 Hackathon – 1st Place (Best Use of AI Agents on Arm)	Mar 2026
- Developed <u>Pulse</u>, an offline, LLM-orchestrated penetration testing pipeline that fully automates vulnerability scanning, tool execution, and professional report generation on ARM architectures - Engineered a dynamic LangGraph state machine to orchestrate 12 industry-standard security tools (e.g., nmap, sqlmap), synthesizing raw findings into a causal exploit graph using local Ollama models - Collaborated under a strict zero-data-leakage constraint to build a full-stack application (Next.js, FastAPI), featuring real-time Server-Sent Events (SSE) to stream local LLM reasoning directly to the user interface	
Middle East Technical University – Research Intern	Jun 2025 – Aug 2025
- Contributed to a research project at METU's Applied Intelligence Research Lab, focusing on computer vision in interactive visual systems. - Implemented custom OpenCV pipelines for color-based filtering, homography estimation, and foreground-background separation. - Gained hands on experience with real time image processing, camera calibration, and pose estimation frameworks.	
BirmingHack 1.0 Hackathon – 1st Place (Best AI Hack)	Mar 2025
- Developed <u>SocratEase</u>, an AI-powered communication coach that gives feedback on public speaking performance - Applied speech analysis to assess fluency and reduce filler words, integrated computer vision to track eye contact and facial expressions, and combined multimodal AI models to evaluate logical flow and coherence - Collaborated in a team of 3 during my first hackathon, developing the project in a fast-paced, 24 hour environment alongside teammates from diverse technical backgrounds	

ACTIVITIES

Sabancı University – Summer School	Jun 2022 – Jul 2022
- Learned about Artificial Intelligence and Machine learning concepts such as supervised learning - Explored fundamentals of business management, focusing on project management, organizational behavior, and strengthening skills in teamwork	
Tufts University – Pre-College Program	Jul 2021 – Aug 2021
- Completed <i>Coding 101</i> which focused on Python for mobile app, web, software development, and graphical user interface design - Studied applications of Python in Artificial Intelligence, Robotics, and Cybersecurity and enhanced foundational programming skills in key areas of innovation - Designed a website using HTML for the final project which was selected out of 60 students and is featured on the university's course website	
IBM Quantum Qubit by Qubit – Course	Oct 2020 – Apr 2021
Participated in <i>Introduction to Quantum Computing</i> involving fundamental concepts such as qubits, superposition, and quantum gates organized by The Coding School	

SKILLS

Languages: Turkish (native), English (C1), German (B2)

Skills: Python, Java, C, HTML, Teamwork, Communication, Machine learning, Artificial intelligence, Cybersecurity