Oğuzhan UÇAR

Istanbul, Turkey 34760 • +90 534 087 2086 • ogznucr@gmail.com • https://github.com/Unreliable-Support

PROFILE & OBJECTIVE

A highly motivated and results-oriented professional specializing in AI-driven automation solutions. Combined with 2 years of experience in data analysis, I have expertise in rapidly architecting and deploying complex software solutions by utilizing Large Language Models (LLMs) to generate functional code and streamline creative workflows. I have a proven track record of transforming technical and creative challenges into efficient, automated tools that enhance productivity across environments. In the past two months alone, I have built over 15 software tools of varying complexity, demonstrating my ability to deliver practical solutions quickly (portfolio available). My goal is to continue applying my skills in rapid prototyping and AI integration to solve problems in diverse domains and build impactful automation tools.

TECHNICAL SKILLS

Core Competencies: AI-Driven Development & Automation

- **LLM-Powered Code Generation:** Expertise in using LLMs (e.g., Gemini, GPT series, Grok, Claude) as a primary development tool to generate functional Python code for web applications, Chrome extensions, desktop GUIs, and automation scripts.
- **Advanced Prompt Engineering:** Skilled in crafting complex, multi-step prompts to guide AI in building applications with specific libraries, architectures, and functionalities.
- **System Architecture & Workflow Design:** Ability to design end-to-end automation pipelines, breaking down complex problems into logical steps suitable for AI-assisted implementation.
- **Rapid Prototyping & Iterative Debugging:** Proven ability to quickly build and deploy functional prototypes, and effectively debug and refine AI-generated code to achieve desired outcomes.

Technologies & Libraries Orchestrated via AI

- **Backend & Web:** Flask, SQLAlchemy, SQLite
- **Desktop GUI:** PyQt5, Tkinter, CustomTkinter
- **Automation & Data Processing:** FFMPEG, Pandoc, Tesseract, PyAutoGUI, PyPDF2, python-docx, Pillow, Requests, PyWin32
- **Development Environment:** Git, GitHub, JSON, REST APIs

Data & Business Tools

- **Data Analysis:** Excel (Advanced), Knime (Intermediate), Power BI (Intermediate)
- **Digital Marketing:** Familiar with Google Ads, Meta Ads, HubSpot

FEATURED PROJECTS

AI-Powered Full-Stack Research & Learning Environment (Flagship Project)

- Architected and developed a full-stack AI research environment (Flask, SQLAlchemy, JavaScript), evolving a desktop concept into a comprehensive web platform with a companion Chrome Extension.
- Engineered advanced, personalized AI modules, including a contextual Writing Assistant for automated drafting and a "Learn Anything" tutor that uses user-curated content libraries for persistent, database-backed learning sessions.
- Automated the generation of complex academic materials, such as document summaries, multi-day study plans, varied exam types, and PowerPoint presentations, creating a fully integrated workflow from research to final output.
- **Technologies**: Python, Flask, SQLAlchemy, JavaScript, HTML/CSS, Google Generative AI, Chrome Extensions.
- **Preview Demo Link:** https://youtu.be/LR0EVrcY-_k
  - *Full, interactive demo available upon request*

Python FFMPEG Video Automation (Available on GitHub)

- **Developed specifically to demonstrate capabilities for TheSoul Publishing AI Automation role.**
- Created a Python script that automates batch video creation by programmatically generating and executing complex FFMPEG commands.
- The script reads quotes and authors from a CSV file that dynamically creates text overlays with advanced formatting, and combines them with background images and audio to produce unique video outputs for each entry.
- **Technologies**: Python, FFMPEG (via subprocess), textwrap.
- **Demo Link: https://youtu.be/ryzhvRr-Pi0**

Gemini CSV Image Generator (Available on GitHub)

- **Built as a direct demonstration of media automation skills relevant to TheSoul Publishing.**
- Engineered a multithreaded Tkinter desktop application that batch-generates images from a CSV file using Google's Gemini AI.
- The tool utilizes a configurable prompt template to create unique visual representations for each row of data, handling API requests and file-saving operations in a non-blocking background thread.
- **Technologies**: Python, Tkinter, Google Generative AI, Pillow.
- **Demo Link**: **https://youtu.be/Q5mRqE9syts**

AI-Powered Content Workflow Automator

- Designed a sophisticated desktop tool with a Tkinter GUI to automate a multi-stage content creation and verification pipeline.
- Implemented a feature to automatically verify statistical data by scraping web links from source files using BeautifulSoup and performing fuzzy string matching.
- Utilized the Gemini API with user-defined prompts for complex text manipulation tasks, including content cleaning, keyword integration, and title revision based on SEO inputs.
- **Technologies**: Python, Tkinter, Requests, BeautifulSoup, Pandoc, Google Generative AI.
- **Preview Demo Link**: **https://youtu.be/sCXsc7B2PcY**
  - *Full, interactive demo available upon request*

A live demonstration of the proprietary projects can be provided during the interview process. My full portfolio, detailing over 15 additional AI and automation projects, is available for presentation.

EXPERIENCE

SOMPO INSURANCE   **Istanbul, Turkey**
Junior Corporate Pricing and UW Analytics Executive   January 2023 – August 2024
- Contributed data-driven solutions for pricing and ratemaking by analyzing datasets to reveal patterns and trends.
- Collaborated with cross-functional teams to devise innovative pricing strategies for the sake of profitability and a more competitive market position.
- Translated complex pricing models into user-friendly visualizations for stakeholders to grasp insights effortlessly and make well-informed decisions.
- Regularly prepared and sent comprehensive reports and analysis to business stakeholders and provided actionable recommendations for optimizing pricing and revenue generation.

SOMPO INSURANCE   **Istanbul, Turkey**
Assistant Sales Manager   September 2022 – December 2022
- Regularly attended sales training sessions and supervised by prominent and experienced sales managers of the insurance sector.
- Actively contributed innovative ideas to meet and exceed sales goals.
- Assisted in generating sales strategies and project designs by analyzing sales data and offering ideas..

CODEWAY STUDIOS   **Istanbul, Turkey**
Content Writer   August 2022 - September 2022
- Wrote 60+ content for a soon to be released mobile application named "Couples" which is a fun question game app that targets couples in the USA.
- Actively conducted web resources and academic literature research to produce content ideas for the content writing team.
- Helped content strategy generation process as well as offering marketing ideas for the application.

EDUCATION

YEDITEPE UNIVERSITY   **Istanbul, Turkey**
Master's Program in Cognitive Sciences   *2022 - Present*

BOGAZICI UNIVERSITY   **Istanbul, Turkey**
Bachelor of Arts in Sociology   *2017 - 2022*
                                                                                          GPA:3.45
                                                            (Ranked 6th in the department)

KIRKLARELI SCIENCE HIGH SCHOOL   **Kırklareli, Turkey**
High School Diploma   *2013 - 2017*

Language

- **Turkish –** Native
- **English –** Advanced (C1, IELTS Certified)

Interests

- **Academic:** Psychology, Sociology, Philosoph
- **Tech:** AI Trends, Experimental Programming
- **Hobbies:** Badminton, Chess, Foosball