

# Egemen Gulpinar

**Date of birth:** 23/04/1998 **Gender:** Male **Home:** Istanbul (Türkiye)

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## ABOUT ME

I'm a Software Developer with a solid background in project design and management. My experience includes leading AI projects, backend systems, creating features that can detect things in real-time, and handling complex tasks with ease. I've also set up AI/ML operations, built automation systems, and developed apps for desktop, cloud, and web. Through my work, I've learned enough to bring my individual products to life. I'm always looking to use the latest tech to improve my work. In every project, I try to bring something new to the table, combining my technical skills with fresh ideas. I like to think outside the box and make things that stand out. "Be different" is my way of doing things.

## SKILLS

**Programming Languages :** Python, MATLAB, SQL, JavaScript, Assembly, Bash

**Deep Learning & Advanced :** Keras, Tensorflow, PyTorch, ONNX, C++ acceleration, VOSK, Kaldi

**Computer Vision and Image Processing :** OpenCV, Satellite Mapping, YOLO(v5/v8/NAS), Object Tracking, OCR

**Data Science, Visualization & Statistics :** SciPy, Matplotlib, scikit-learn, Seaborn, Pandas, Numpy, MATLAB

**API, Web & Data Mining :** FastAPI, Docker, Django, Django REST, Flask, Scrapy, Selenium

**CI/CD & Cloud :** Git, Jenkins, GitHub Actions, Google Cloud, Oracle Cloud, AWS

**Database :** MySQL, SQLite, MongoDB, Cloud Storage

**Secondary Knowledges:** VB Script, BAT Script, C#, Linux(server), Arduino, C, C++

**Project Management Tools :** Atlassian Jira, Monday Project Management, Notion

**Other Interests & Usage :** Generative AI, WebRTC, Large Language Models(LLMs), Celery, ffmpeg, Looker Studio, InnoSetup, Qt5, Unreal Engine

## WORK EXPERIENCE

### Co-Founder & Lead Software Engineer

**MARUL** [ 01/09/2023 - 30/12/2023 ] [MVP]

Leading the development of a high-potential startup from concept to MVP stage, focusing on backend systems, DevOps, and system architectural design.

- Building authentication system from scratch, CI/CD pipelines, building customized CDN server
- Building Generative AI pipelines to offer a unique feature in the industry.

### Software Developer

**LIVAD Technologies** [ 01/09/2021 – Current ]

Creating project structures, designs, plans & development. Building AI and automated systems for the company by mainly Python development, REST APIs, web development, besides that also computer vision, extracting, synthesizing and mathematical analyzing large volumes of data, AR, deep learning developing areas, using the most effective ways and state of art methods.

- Lead Research & AI Based projects. Creating project structures, design, plans & development.
- LIVAD Studio Windows application Lead (studio.livad.stream)
- Agile development
- Experience in utilizing advanced GPT and other large language models (LLMs).
- Experience Kubernetes microservice that includes lightweight speech recognition for given video input and recognition specific object(s) animation in video through computer vision ways.
- Creating web servers & frameworks, working with REST API's, Docker images and backend side.
- Utilizing data mining, machine learning, algorithmic and statistical tools for large volumes of data
- Custom deep learning models & systems for detecting specific in-game moments.
- Open Broadcast Studio(OBS) Snap AR WebSDK Kit development (livestream AR integration, WebRTC).
- Real-Time Offline Speech Recognition (NLP) & Toxic Word Classifying System.
- Background Sync App start-to-end development, added functionality and created desktop UI with Qt5

## Software Developer Intern

### *The Scientific and Technological Research Council of Turkey (TUBITAK) Space Technologies*

[ 01/08/2021 – 01/09/2021 ]

Researched Image Super-Resolution Using Deep Convolutional Networks, developed different methods and optimizations for SRCNN.

- Sparse Coding Based Super Resolution methods using with Deep Neural Network
- Convolutional Neural Networks for Super Resolution

## Software Developer Intern

### *BAYKAR Technologies* [ 01/07/2021 – 01/08/2021 ]

Researched GNSS Systems, developed and animated China's satellite "BeiDou" position calculation

- Satellite mapping, labelling and matching on World Map
- RINEX Data Converting, Parsing and Reading. Created special library for BeiDou RINEX data.
- Found a new relationship between BeiDou RINEX Data and BeiDou Satellites movements

## Software developer

### *METU Teknokent SFM Software Company (Volunteer)* [ 01/07/2020 – 01/01/2021 ]

Developed for a company as a business dashboard using the Django web framework.

- Python backend development
- Gain experience with Django and REST API's

## Computer Engineer

### *Asir Digital (Volunteer)* [ 01/06/2020 – 01/01/2021 ]

- Hewlett Packard Enterprise system course member, learning HPE systems and cloud infrastructure
- Gain experience in communication skills with team members.

## EDUCATION AND TRAINING

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### Bachelor's Degree, Computer Science

#### *Bradford University* [ 01/09/2021 – 10/02/2022 ]

Country: United Kingdom | Final grade: 4.0 | Type of credits: | ECTS Number of credits: 30

- **Certificates:** Certificate of Continuing Education
- **Activities and societies:** University of Bradford Union of Students
- **Additional Courses:** Academic English Support Course
- **Department Courses:** Software Development, Mobile Application Development and Cyber Security

### Bachelor of Engineering, Computer Engineering

#### *Mersin University* [ 10/08/2017 – 20/05/2021 ]

Country: Türkiye | Final Grade : 3.40 | Type of credits: ECTS | Number of credits: 263

## AWARDS

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**IAB MIXX Awards '23 :** In-Game Ads Gold Award Turkey | Europe Finalist (*LIVAD Studio In Game Detection System*)

**Brandverse Awards '23 :** Silver Award (*LIVAD Studio In Game Detection System*)

## LANGUAGE SKILLS

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### English

B2 Level (CEFR)

### German

A2 Level (CEFR)