

# Mert Kasım İmran

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## About Me

I am a fourth-year Computer Engineering undergraduate with a strong foundation in software development and a passion for creating efficient solutions. I have experience with a diverse range of programming languages, frameworks, tools, database management, scripting, and virtualization technologies.

I'm skilled at using advanced development tools to make workflows more efficient and tackle complex problems. With a strong passion for learning and innovation, I'm excited about the opportunity to grow as an engineer and contribute to your company.

## Education

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- Ankara Science University BE in Computer Engineering (English)** Sept 2022 – Jun 2026
- GPA: 3.28/4.0 (current as of the 6th semester)

## Projects

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- Ankara Science University MÜDEK Accreditation System** [mudek.ankarabilim.edu.tr](http://mudek.ankarabilim.edu.tr) ↗
- Streamlined accreditation process, ensuring data security and integrity by implementing RBAC (role-based access control) and request authorization and validation, ensuring data security and integrity while maintaining user-friendliness for both local and international users.
  - Set up the Debian server for the MÜDEK system and ensured system security using measures such as regional IP blocking, fail2ban and email alerts for admin actions.
  - Tools & Technologies: Laravel (PHP), React, i18Next, Inertia.js, Mantine UI, PhpSpreadsheet & Laravel Excel, PostgreSQL, Debian GNU/Linux, VMWare Sphere.

- Ankara Science University Promotional Website** [tanitim.ankarabilim.edu.tr](http://tanitim.ankarabilim.edu.tr) ↗
- Rewrote the promotional website to use a Relational Database (PostgreSQL) instead of JSON files and developed an administration panel to update information real-time, substantially improved the chat assistant and made the RAG files editable using the panel.
  - Tools & Technologies: React, Remix Framework, Hero UI, TailwindCSS, PostgreSQL hosted by Neon, OpenAI Platform API for chat assistant.

- Docker-Strike** [github.com/mertimran/docker-strike](https://github.com/mertimran/docker-strike) ↗
- Dockerized HLDS (Half-Life Dedicated Server) that can run any Half-Life game mod, such as Counter-Strike, with just copying your game data directory.
  - Tools & Technologies: Docker, Bash, Debian GNU/Linux

- Non-governmental Organization System** [github.com/mertimran/ngoproject](https://github.com/mertimran/ngoproject) ↗
- This system provides features such as monitoring bank account balance and bank statement, planning publicity events and fundraiser to raise money, logging the collection and delivery of the donations, registration of indigents and donors, monitoring of the warehouses and stocks inside these warehouses.
  - Tools & Technologies: Laravel, Blade Templating Engine, JQuery, TailwindCSS

## Social Media Bots

2018-2020

- Developed several bots for social media sites like Discord, Reddit and X (formerly known as Twitter)
- Tools & Technologies: Python, BeautifulSoup4, DiscordPy, Praw, Pillow, Requests, SQLite

## Installation Manuals and Automation Scripts

2018-Present

- I've written many Markdown guides, automated installation and configuration scripts in Bash and Python, and custom Dockerfiles for the software I host on my home-servers. Some of these software:
  - Git servers with Web interfaces like Gitea and Gitlab CE
  - Chat servers like Prosody and Matrix
  - Game servers
- Tools & Technologies: Bash, Python, Markdown, Git

## Miniature Autonomous Vehicle

2017-2018

- Trained a miniature autonomous vehicle with the lectures given for the NVIDIA MARC 2018 autonomous vehicle competition hosted by OpenZeka.
- Tools & Technologies: Nvidia Jetson TX2, Scanse Sweep Lidar, ZED Camera, Python, OpenCV, Keras, Tensorflow, Caffe, NVIDIA DIGITS, Ubuntu 16.04

## Technical Skills

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### Languages

**Experienced:** PHP, SQL, JavaScript, React, Typescript, CSS

**Familiar:** Java, Python, Bash

### Frameworks & Tools

**PHP:** Laravel

**JavaScript:** Vite, React, React Router, Vue

**CSS:** TailwindCSS, Bootstrap

### Operating Systems

**Experienced:** Linux

**Familiar:** Windows, FreeBSD

### Virtualization and Containerization Technologies

**Experienced:** QEmu, Oracle VirtualBox, Docker

**Familiar:** KVM, VMWare

### Database Management Systems

**Experienced:** MariaDB, MySQL, SQLite3

**Familiar:** PostgreSQL

### Development Software

**Jetbrains Software:** PHPStorm, WebStorm, DataGrip, PyCharm

**Opensource Software:** VSCode, Vim, DBeaver