

# Olloyor Maxammatnabiyev

Software Engineer | Tashkent, Uzb

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github.com/ollayor

## EDUCATION

**Turin Polytechnic University in Tashkent**, B. Sc - Computer Engineering 2022 - 2024

Focus area on Algorithms & Programming, Operating Systems, Database Management Systems, Algorithms and Data Structures.

## Experience

**Internet of Things (IoT): Project Design Intern | April, 2024 - Current**

Turin Polytechnic University in Tashkent | Tashkent, UZB

- IoT fundamentals, LoRa/LoRaWAN, MQTT technologies
- Firmware development for ESP32, Real-time operating systems and Fundamentals of servers
- Linux and Docker containerization, PCB design and prototype testing

## PROJECTS

**didattica.uz** - Online Exam Portal for students February 2024 - Current

- Engineered an interactive platform facilitating online education for Uzbekistan's educational institutions, enhancing remote learning accessibility.
- Configured Gunicorn and Nginx on Azure VMs, achieving a robust deployment that supports over 1000 concurrent users without performance degradation
- Facilitated a 40% improvement in exam administration efficiency by developing a user-friendly interface for question management and student assessment tracking.

Technology used:

- Backend & Framework: Django (Python), Gunicorn for WSGI server, and Nginx as a reverse proxy and HTTP server;
- Frontend: HTML, CSS, JavaScript;
- Deployment & Hosting: Deployed on an Azure VM, utilizing PostgreSQL for database management and used telegra.ph as a free server for posting images.

**Telegram Bots** - Video and music downloader, chatbots

- Used aiogram and different APIs
- Used openai API and other open-source models(llama2, etc)

**Transcription Bot** - Audio and video transcription bot

- It can transcribe audio and video files sent by users;
- Used whisper library by openai and open source googletrans library for translation

## SKILLS

Python,Django, FastApi, Flask, Javascript, PostgreSql, Git&Github, Aiogram, Numpy, Pandas

## Courses

- Express Backend by 42.uz([Azimjon Pulatov](#))
- Machine Learning by Udevs(Uacademy) in Tashkent
- CS50's Introduction to Programming with Python