

Nihad Abbasov

Software Developer

Python · AI / LLM Integration · Telegram Bots · Automation

Portfolio: [nihadabbasov.site](#) GitHub: [@NihadAbbasov12](#) LinkedIn: [@nihadabbasov1](#)

Contact

Phone

+371 29 421 804

Email

nihadabbasov478@gmail.com

Location

Riga, Latvia

Technical Skills

Python

OOP, data structures, file I/O, error handling, asyncio, pytest

AI & LLM APIs

OpenAI, Anthropic Claude, Google Gemini, OpenRouter, prompt engineering, YOLO (Ultralytics), OpenCV

Automation & Bots

Telegram bots (aiogram 3), REST API integration, web scraping (Requests), APScheduler

Backend & Databases

FastAPI, Express.js, PostgreSQL, SQLite, Prisma

Frontend

JavaScript, TypeScript, React, Next.js

Tools & DevOps

Git, GitHub Actions, Docker, Linux (systemd)

Languages

Azerbaijani

Russian

English

Turkish

Education

Bachelor of Computer Systems

Riga Technical University
2025 – 2028

Coursework: Programming, OOP, Data Structures & Algorithms, Databases, Software Engineering

Summary

Software Developer and Computer Systems student at Riga Technical University who builds practical Python tools: **Telegram bots, LLM integrations, API clients and automation pipelines**. Built a provider-agnostic AI assistant bot that runs on **OpenAI, Claude and Gemini** behind one interface, a YOLO-based camera security bot, and RTU Schedule Bot, which reached **100+ users in its first week**. At DNS Pay, automates payment-processor workflows in Python and administers PostgreSQL databases. Motivated to teach Python through real projects (bots, scripts and API integrations) and to explain technical topics simply, in Azerbaijani, Russian or English.

Experience

Software Developer · DNS PayMay 2026 – Present

Python · PostgreSQL · Automation · Data Analysis

- Build and maintain Python automation for payment processors, streamlining data collection, processing and reporting.
- Administer PostgreSQL databases, ensuring data integrity, performance and reliable access to transaction data.
- Analyze processor and transaction data to support operational decisions and reporting.

Projects

Friend · AI Assistant Telegram Bot2026

Python · aiogram · OpenAI · Claude · Gemini · SQLite · pytest · Docker

- Built a **provider-agnostic LLM layer**: OpenAI, Claude, Gemini and OpenRouter behind one interface, switchable with one environment variable.
- Designed the **prompt system**: persona, per-mode instructions (/plan, /reflect, /focus) and dynamic context injection from chat history and notes.
- Added SQLite-backed per-topic memory, rate limiting and retries with fallback; covered routing, prompts and memory with unit tests.

Camera Radar · Computer Vision Security Bot2026

Python · YOLO · OpenCV · Telegram Bot API · multithreading · pytest

- Combined motion detection with **YOLO person detection** to send Telegram alerts with an instant photo and an 8-second video clip.
- Four-thread pipeline (capture, analysis, offline-safe send queue, bot) with live streaming as a Telegram Mini App; **123 automated tests**.

RTU Schedule Bot · @RtuScheduleHelperBotApr 2026 – Present

Python · aiogram · REST APIs · APScheduler · SQLite · GitHub Actions

- Telegram bot giving RTU students one-click access to class schedules via the university's schedule API, replacing a multi-step portal flow.
- Reached 100+ users in the first week**; sends daily schedules, reminders 30 minutes before each lesson and change notifications.
- Deployed as a Linux systemd service with CI/CD through GitHub Actions.

CarSensor MVP · Full-stack Scraping Platform2026

Node.js · TypeScript · Express · Next.js · PostgreSQL · Prisma

- Scraping workflow that collects and normalizes Japanese used-car listings, served through a JWT-protected API and a Next.js frontend with filtering and pagination.