

Ozodbek Bosimov

Software Engineering Student | Backend & AI Engineering

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Education

Bachelor's Degree in Information Security, Tashkent University of Information Technologies 09/2024 – Present
Cumulative GPA: 4.5 / 5.0 (Year 2 GPA: 4.9 / 5.0)
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Systems, Cybersecurity Fundamentals.
Tashkent, Uzbekistan

Courses

Express Backend 🌐, 42.uz 08/2025 – 02/2026
Built and deployed backend applications using Linux, Git, Python (OOP), Flask, SQL, Nginx, and Unicorn.

Express Algoritm 🌐, 42.uz 06/2025 – 09/2025
Solved 100+ DSA problems: arrays, linked lists, trees, graphs (DFS/BFS), hashing, stacks/queues, bit manipulation. Big-O.

Meta Back-End Developer 🌐, Coursera (Meta) 2025
Python, Django, databases, version control, and backend development fundamentals.

Experience & Community

Backend Developer Intern, Cyber Security Center UZ 🌐 03/2026 – 05/2026
Built a Go and PostgreSQL prototype for managing network interfaces and IP rules.
Tashkent, Uzbekistan

Volunteer & Community Member, Startup Garage & Pivot 🌐 09/2026 – Present
Supporting tech events, startup demo days, and ecosystem networking.

Projects

Image Classification: Dogs vs Cats 🌐 04/2026
Developed a TensorFlow/Keras convolutional neural network for cat vs. dog image classification, including data preprocessing, model training, and evaluation, achieving 89.8% validation accuracy on the Kaggle Dogs vs. Cats dataset.

Neural RAG Engine 🌐 09/2026
◦ Built a Retrieval-Augmented Generation (RAG) system with a custom PyTorch projection head, sentence-aware document chunking, and in-memory cosine vector search.
◦ Integrated Google Gemini for context-grounded answer generation with source citations, offline fallback, and an interactive web dashboard with REST API.

Music Downloader bot 🌐 06/2026 – 07/2026
Engineered an asynchronous Telegram bot for searching and downloading audio with YouTube Music integration, PostgreSQLbacked LRU file_id caching for instant repeats, concurrent task queue, and FFmpeg audio remuxing.

Ozodbek's blog 🌐, Django portfolio & blog 02/2026 – 05/2026
◦ Built and deployed a full Django 6 blog/portfolio from scratch on a self-managed Linux VPS (Unicorn, Nginx, WhiteNoise, Cloudflare), with a CKEditor 5 editor and automatic WebP image compression.
◦ Engineered in-memory caching with signal-based invalidation and mobile performance optimizations (lazy loading, off-screen render skipping, woff2 fonts), achieving near-zero origin load behind Cloudflare edge caching.
◦ Hardened for production with per-IP rate limiting, secure cookies/SSL, admin session timeout, and SSRF-safe server-side proxies for GitHub/LeetCode activity stats.
◦ Implemented SEO with a dynamic XML sitemap (per-page priority, accurate lastmod), JSON-LD structured data, and Open Graph tags; covered core logic with unit tests.

Skills

Languages

Python, Go

Databases

PostgreSQL, SQLite
(solved LeetCode Top 50 SQL problems)

Frameworks

Django, Flask, FastAPI

Systems & Tools

Linux/Unix systems, Git/GitHub, Nginx, Unicorn, Docker, AI-assisted development (GLM, Gemini, Claude, ChatGPT)

Concepts

Data Structures & Algorithms (500+ LeetCode), OOP, HTTP, REST APIs, Cloud Deployment (DigitalOcean, Oracle Cloud, alwaysdata)

Languages

Uzbek

Native

English

B1 (Currently studying)