

ILIYA DINDAR

Computer Engineer | AI Agent & Bot Developer | Security Researcher
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PROFILE

Third-year Computer Engineering student specializing in AI agent architectures and intelligent bots — 20+ Telegram bots delivered to 12K+ users, and a production multi-agent LLM pipeline shipped for an EdTech product. Strong TypeScript/JavaScript full-stack engineer (React, React Native, Cloudflare Workers). 2nd place at the Nişantaşı University Coding Competition and selected for the Microsoft AI Innovators Summer Program. Trilingual in English, Persian, and Turkish.

EDUCATION

B.Sc. Computer Engineering

2024 – Present

Nişantaşı University, Istanbul

- Currently in 3rd year with coursework in algorithms, data structures, networking, and operating systems
- Self-directed study in LLM agent architectures, AI/ML, NLP, and quantum computing fundamentals

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, PHP, C++, SQL, Bash
Backend	Node.js, TanStack Start, oRPC, Drizzle ORM, FastAPI, Flask, Django, Next.js (App Router)
Databases	MySQL, PostgreSQL, MongoDB, Redis
DevOps	Docker, Cloudflare Workers & Durable Objects, Linux (Ubuntu), Nginx, Caddy, Git
AI / ML	LLM agent orchestration (multi-model pipelines), prompt engineering, MCP, Azure AI Foundry Local, PyTorch, Whisper AI, Transformers
Security	OWASP Top 10, Burp Suite, Nmap, CTF; hands-on labs across the full web-vuln taxonomy — security misconfiguration, SQL injection, command injection, RCE, SSTI, XSS, CSRF, CORS, SSRF, XXE, open redirect, CSTI, CSPT, broken access control, API security, authentication, OAuth/SSO, cryptographic failures, insecure design, insecure deserialization, cache vulnerabilities

PROJECTS

Iranian Legal House — AI-Native Cross-Border Legal Platform

2026

AI Counsel assistant, lawyer marketplace & matter workflow — in development

- Building an AI-native legal platform for the Iranian diaspora — AI Counsel assistant, bar-verified lawyer marketplace across 60+ countries, and end-to-end matter workflow (documents, e-signature, escrow billing)
- Developed the AI service with Python FastAPI on NVIDIA NIM and Postgres pgvector retrieval, inside a Next.js 16 + React 19 TypeScript Turborepo monorepo
- Self-hosted the entire stack on a VPS with Docker Compose — Postgres, Redis, MinIO, Meilisearch, and Apache2 with Let's Encrypt TLS

IliyaMed — Full-Stack Social Platform

2026

lab.iliyadindar.site

- Built a production social platform with PHP frontend, Flask REST API, Next.js admin panel, and MySQL database
- Implemented JWT authentication, WebSocket server terminal, user management, invitation code system, and login logging
- Deployed on Ubuntu VPS with Caddy reverse proxy, managing multiple subdomains and SSL

Multi-Agent AI Content Pipeline — LLM Orchestration

2026

Confidential EdTech product (NDA)

- Architected a production, RAG-grounded multi-agent LLM pipeline — generator, independent checker, second-opinion, and escalation models — with chunked generation and batched persistence

- Built an AI safety layer screening for prompt injection, answer leakage, and content quality; flagged items auto-regenerate from reviewer feedback
- Implemented near-duplicate detection (Jaccard + bigram Dice) with prompt memory to keep outputs unique

TNT-AI — Real-Time Speech Translation

2025

github.com/iliyadindar/tnt-ai

- Developed real-time transcription and translation app using OpenAI Whisper with offline neural MT
- Architected with FastAPI backend, React Native mobile client, and Docker containerization

PyRoxi — Async Proxy Library

2025

Published on PyPI

- Created high-performance async Python proxy library with SOCKS5/HTTP support and zero dependencies
- Published as open-source package on PyPI with full documentation

Telegram Bot Development

2023 – Present

20+ bots delivered, 12K+ users

- Delivered 20+ custom Telegram bots including a multiplayer strategy game bot and AI-powered group engagement bot
- Collaborated on a private bot project serving 12,000+ active users

ZipBike — File Compression Tool

2025

C++ Academic Project

- Implemented Huffman, LZ77, and RLE compression algorithms with a custom .zbik file format

SECURITY & CTF

- Studying OWASP Top 10 methodology for web application security assessment
- Active in CTF challenges — solved DOM XSS filter bypass challenges on voorivex-lab.online using JS URI payloads
- Practicing with Burp Suite and Nmap for reconnaissance and vulnerability discovery
- Built and self-host shellstate.com — a production Capture-The-Flag platform ([Next.js](https://next.js) web, API, PostgreSQL, Redis; Dockerized behind a Traefik reverse proxy)
- Wrote http2-race-singlepacket — a Go tool exploiting HTTP/2 single-packet race conditions, for CTF and security research
- Built browser security tooling — a postMessage interceptor and a Manifest V3 hidden-endpoint & secret discovery extension

ACHIEVEMENTS & CERTIFICATIONS

- 2nd place — Nişantaşı University Coding Competition (2025); additionally discovered and responsibly disclosed a critical vulnerability in the university's OBIS student & faculty portal — confirmed and promptly fixed
- Selected for the Microsoft AI Innovators Summer Program (2026) — building a local LLM project with Azure AI Foundry Local
- GitHub Pro with Starstruck, Pull Shark ×2, Pair Extraordinaire, YOLO, and Quickdraw badges
- Published open-source Python packages on PyPI (PyRoxi)
- Deployed production applications on cloud VPS with Docker, Nginx, and Caddy
- Machine Learning Specialization — [DeepLearning.AI](https://deeplearning.ai) & Stanford University (Coursera, 2025)
- Cybersecurity — Synergy Science '26 (Synergy Maze AI, 2026)

LANGUAGES

English (Fluent) • **Persian** (Native) • **Turkish** (Fluent)