

Khabibillo Gulomov

AI Engineer and Researcher · LLMs, retrieval-augmented generation, AI agents

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Education

Kyungpook National University, B.S. in Computer Science

Expected Aug 2027

KNU Best Student Scholarship, awarded twice (top ~7%)

Research

Evidence Position Sensitivity Across Document-Count Conditions in Multi-Document QA

2026

Sole author. Korea AI 2026 (7th Korea Artificial Intelligence Conference), accepted for publication.

- Designed a controlled study of how supporting-evidence position affects multi-document QA: 6 LLMs (3B–72B), 24 conditions, 2,417 examples per condition, input length held fixed.
- Tested 72 document-count contrasts with paired bootstrap and sign-flip tests; showed the best evidence position is model-dependent and shifts with document count and question hop count.

Undergraduate Researcher, Data and Language Intelligence Lab, KNU

Jun 2026 – Sep 2026

- Reproduced Search-R1 search-augmented reasoning on 7 QA benchmarks (NQ, TriviaQA, PopQA, HotpotQA, 2WikiMultiHopQA, MuSiQue, Bamboogle) with PyTorch, Hugging Face and vLLM.
- Evaluated retrieval- and tool-augmented methods (SeaKR, ToolBench / ToolLLM), focusing on tool selection and the reliability of tool-using agents.

Engineering

Founder and Lead Software Engineer, Mahallify, Tashkent, Uzbekistan

2025 – present

- Build and operate a location-based community platform: REST APIs, real-time messaging, meetups and geospatial features (Next.js, NestJS, PostgreSQL, Prisma, Redis, Socket.IO, Docker).
- Cut public meetup-feed latency by 38% and SQL execution time by 24% through PostgreSQL indexing and query rewrites; refactored the monolith into a modular Clean Architecture.
- Ranked in the top 5% of UzCombinator applicants; Best Startup and Best Startup Pitch at KNU Startup Design. mahallify.com

Software Engineer, ADVS, Flash 21

Sep 2026 – present

- Led development of an OCR system that verifies Korean administrative documents and decides READY, REVIEW or NEEDS_CORRECTION (FastAPI, PostgreSQL, PaddleOCR).
- Built a fail-safe evaluation with single-use hold-out sets and error injection: 0 false READY decisions, 240/240 digital fields correct, scan review load cut 60–64% (synthetic data).

Leadership and teaching

Microsoft Student Ambassador, Microsoft

2026 – present

- Mentored and supported 50+ students and developers in AI and software development.

Teaching Assistant, Programming Fundamentals (C/C++), KNU

Sep 2026 – present

Skills

Programming	Python, C, C++, TypeScript, JavaScript
AI / ML	PyTorch, Hugging Face, vLLM, RAG, LLM evaluation, PaddleOCR, statistical testing
Backend	NestJS, FastAPI, Next.js, PostgreSQL / PostGIS, Prisma, Redis, Socket.IO, Docker, Git
Languages	Uzbek (native), English and Korean (full professional; TOPIK Level 5), Russian (limited working)