

Alikhan Makhamadaliev

Nashville, TN | (629) 335-2001 | macintosh0727@gmail.com
[linkedin.com/in/alikhan-m](https://www.linkedin.com/in/alikhan-m) | github.com/alikhxn5 | ilovemcars.com

Computer science senior who builds and runs production software. Newest is a personal AI assistant in daily use, backed by 3,600+ automated tests and a security-first design.

EDUCATION

Belmont University | B.S. Computer Science, Cybersecurity concentration; Minor, Business Systems and Analytics | Expected May 2027

Coursework: Artificial Intelligence, Computer and Network Security, Cybersecurity Forensics

- President of CyBru, Belmont's cybersecurity club, and the SWANA Student Association. Former treasurer of the Muslim Student Association.

RESEARCH

Undergraduate Researcher, AI Software Reliability | Belmont SURFS Summer Research Program | Summer 2026

- Designed a controlled experiment on an AI coding assistant. Gave it a fixed assignment to extend a popular open-source music tool, then reviewed every file it produced.
- Found two defects it quietly introduced: a code error and a change nobody asked for.

EXPERIENCE

Manager, Billy's Corner | Nashville, TN | Jun 2026 to present

Manager, Global Selection Inc | Columbia, TN | May 2023 to Jun 2026

- Sold more than 100 vehicles and ran the dealership day to day: listings, negotiation, and an inventory of 20 to 45 cars.
- Built the dealership's sales reports, tracking how long each car sat and what each sale earned. The numbers guided pricing and buying.

Business Development Intern, Roundtable | Nashville, TN | Apr 2025 to Jul 2025

- Ran cold-email outreach to senior executives and helped land a major account.
- Contributed research to eight published articles carried by Yahoo Finance, MSN, and Apple News.

INDEPENDENT PROJECTS

Personal projects. Designed, built, and run solo.

Ymir, a personal AI assistant | Python | 2026 to present

- Built an assistant used every day over text message. It handles reminders, research, personal finance, and music across 69 features, around the clock.
- Wrote 3,600+ automated tests that run offline. Every change is proven safe before it goes live.
- Designed the security model. Each request gets only the tools it is allowed, so a malicious message cannot expose private files or run commands.

sc2music, a music library importer | open source at github.com/alikhxn5/sc2music | 2026

- Built a tool and Mac app that move SoundCloud tracks into Apple Music, titles and artwork intact.

SKILLS

Languages: Python, TypeScript/JavaScript, Swift, Java, SQL, Bash

AI systems: building and testing AI agents, prompt-injection defense, tool permissions, evaluation

Web and infrastructure: FastAPI, Next.js, React, SQLite, Cloudflare, Tailscale, Git, automated testing

Business: staff management, executive outreach and B2B sales, inventory and margin analysis