

Faizan Khan

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EDUCATION

University of Alabama

B.S. Computer Science, Honors College

Expected May 2028

GPA: 3.68 | Out-of-State Presidential and Engineering Leadership Scholarships

EXPERIENCE

Gleyzer Group, University of Alabama

Nov 2025 - Present

Undergraduate Researcher

- Contribute to Mission Genesis / Heptapod, translating physics research procedures into reusable agent skills and tools for LLM-centered workflows.

Barton Lab, University of Alabama

Mar 2026 - Present

Undergraduate Researcher

- Built a config-driven Python pipeline for FaRLiP gene-cluster discovery, integrating gene prediction, protein-domain search, cluster detection, and genome quality checks.
- Maintain source provenance and SHA-256-verified genome manifests; validate the pipeline with 140 tests.

Thompson Lab, Alabama Materials Institute

Sep 2026 - Present

Undergraduate Researcher

- Designing a Qt interface to make the lab's image-reconstruction and crack-identification models accessible to materials researchers.

Singaura Project

Oct 2025 - Present

Software Lead

- Lead interface design and software development for singing practice.

EcoCAR EV Challenge, University of Alabama

Completed contribution

Spotify Connect Contributor

- Built Spotify Connect integration for the team's vehicle infotainment system.

Crossgoose, Paris

2020 - Feb 2025

Founder / Designer

- Ran a UI/UX and web design studio, delivering websites for local businesses with WordPress, custom CSS, PHP template edits, and client handoff.

LEADERSHIP

HackBama, University of Alabama

May 2026 - Present

Co-founder & Vice President

- Co-founded a 150+ member developer community with 15 volunteer officers; pitched the organization to the Office of the President and raised \$8,000 as of September 2026.
- Coordinate partnerships, outreach, and an AI-assisted development teaching program for students and faculty.

SELECTED PROJECTS

Yapply

github.com/Faiz-k490/Yapply

- Created local career tools for Claude Code and Codex: role discovery, source-backed application preparation, and application tracking.

SurgeonAI

github.com/Faiz-k490/Surgeonai

- Led interface, full-stack, and computer-vision work on a webcam-based practice coach. Best in Healthcare, VandyHacks XII (2026).

KLAY

github.com/theVedanta/ua-innovate-26

- Led design and full-stack development of a crisis dashboard with PostgreSQL resource history and live updates. 2nd Place Full-Stack, UA Innovate (2026).

SKILLS

Engineering: Python, TypeScript, JavaScript, SQL, React, Next.js, FastAPI, Flask, Qt, Git, Linux, Docker

Research & design: OpenCV, YOLOv8, Qiskit, HMMER/pyhmmmer, MATLAB/Simulink, Figma, UI/UX, usability research

Languages: English, conversational French, Urdu, Hindi, Pashto, Arabic