

SALEHA IFTIKHAR

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Recent computer science graduate and full-stack engineer who builds and ships real products, from customer-facing web apps to autonomous AI agents.

EDUCATION

Gettysburg College

Bachelor of Science, Computer Science; Minor in Mathematics; Minor in Data Science

Aug 2022 – May 2026

Gettysburg, PA

- **Achievements:** Eisenhower Scholar, Dean's Honors List, Pi Mu Epsilon (Math Honor Society), Keith Pappas Memorial Award (Fall 2025), Linnaean Award (Spring 2026)
- **Coursework:** Data Structures & Algorithms, Databases, AI, Data Science Programming, Linear Algebra, Probability & Statistics

TECHNICAL EXPERIENCE

Forward Deployed Engineer

SuperOrgs (Early-Stage Startup)

Jun 2026 – Present

Remote

- Own customer-facing features end to end in React and TypeScript over PostgreSQL with Drizzle ORM, translating product requirements into shipped software and reviewing teammates' pull requests behind CI gates that run the full test suite before code reaches users
- Shipped the Stripe billing that made the hosted product sellable, integrating subscription checkout, webhook-synced plan state, and tier-gated access so SuperOrgs could onboard paying customers
- Built a two-sided referral marketplace end to end, from in-app buyer hire requests to an e-signed SOW flow that accrues the platform's referral fee automatically at signature, with a separate provider portal that keeps buyer identity redacted until introductions are made so the fee cannot be bypassed

Student Technical Project Manager

Infrastructure and Computing Office, Gettysburg College

Jan 2026 – May 2026

Gettysburg, PA

- Analyzed Ekahau WiFi survey data with Python and NumPy to map dead zones and capacity gaps across campus buildings, producing the analysis that drove targeted infrastructure upgrades
- Automated permission tracking and survey scheduling across 30+ buildings with Python and Pandas, replacing a manual workflow, while leading a 3-member team and coordinating an external vendor

Student Software Developer

Impact Rehab

Aug 2025 – Dec 2025

Gettysburg, PA

- Built a full-stack clinical web application (PHP, JavaScript, MySQL) for a physiotherapy practice that replaced hand-calculated musculoskeletal (MSK) assessments with automated, validated scoring, surfaced through real-time Chart.js dashboards clinicians used live during patient evaluations
- Designed the ER-modeled relational schema and the RESTful API endpoints, and secured protected patient health data with JWT authentication and session-based access control
- Implemented the MSK scoring logic with input validation so digital results matched the clinic's manual method exactly, and led a 3-member team through the full SDLC, coordinating requirements directly with the practice to ship a production deployment on schedule

Web Development Intern

Enlisted Association of the National Guard (EANGUS), a National Nonprofit

May 2025 – Aug 2025

Washington, DC

- Built a custom WordPress plugin (PHP, JavaScript, MySQL) with secure admin forms and dynamic shortcodes that centralized 1,000+ leadership records across five directory sections into one managed system, cutting record-lookup time by about 30%
- Developed responsive frontend pages in TypeScript and Next.js with interactive Chart.js visualizations, and consolidated five separate content and asset workflows into one admin interface that let non-technical staff manage records without engineering help

PROJECTS

Forge & Autonomous "Minions"

TypeScript, Claude API, autonomous agents, LLM evals, GitHub / Slack / Linear APIs

[Demo](#) | [Code](#)

- Built a TypeScript system on the Claude API that compiles a plain-English spec into a runnable, tool-using agent, then tests and self-repairs it through a build, run, judge, and refine loop, instrumented with run tracing, trajectory-level evals, and a memory of past repairs
- Implemented autonomous "minions" that fix a GitHub or Linear issue, run the test suite in a sandbox, and open a pull request only when a verification gate passes; a labeled eval set measured zero unsafe ships

Grounded: Retrieval-Augmented Q&A

TypeScript, Next.js, Vercel AI SDK, OpenAI embeddings, Claude API

[Demo](#) | [Code](#)

- Built and deployed an end-to-end RAG system that guards both ends: a grounding gate that refuses when retrieval is weak, and a faithfulness check (a separate model) that verifies each claim in the answer against its sources and flags anything unsupported; a labeled eval harness scores retrieval hit-rate, refusal discipline, and faithfulness, with a Next.js UI surfacing citations and per-claim checks

Analytics Chat Assistant

Next.js, TypeScript, Claude API, PostgreSQL, Vercel AI SDK, Docker

[Demo](#) | [Code](#)

- Built a Next.js BI tool where an LLM translates natural-language questions into SQL, validated down to a single read-only SELECT over a least-privilege PostgreSQL role and streamed back as charts; abstracted the provider (Claude or GPT) and graded it with a 25-case eval harness that caught a model silently redefining a metric

Fuerza: Social Fitness Network

React, Node.js, Express, MySQL, JWT, REST API

[Demo](#) | [Code](#)

- Built a full-stack social fitness network: a React SPA and a Node/Express REST API over a normalized MySQL schema, with JWT access and refresh-token authentication and an Axios interceptor that transparently refreshes expired tokens

SKILLS

- **Languages:** Python, TypeScript, JavaScript, Java, SQL, PHP, HTML, CSS
- **Frameworks & Libraries:** React, Next.js, Node.js, Express.js, Tailwind CSS, Chart.js
- **Databases:** PostgreSQL, MySQL, Supabase, Drizzle ORM
- **AI & Agentic Coding:** Claude API, autonomous agents, LLM evaluation & eval harnesses, MCP, Claude Code, Vercel AI SDK

LEADERSHIP & COMMUNITY IMPACT

- **Science & Innovation Research Fellow**, Eisenhower Institute – policy programming across Gettysburg, D.C., and Japan
- **Resident Assistant & Coordinator**, Residential Education – supervised 6 RAs and supported 100+ first-year students
- **Student Representative**, Student Life Committee, Gettysburg College
- **Tour Guide & International Student Ambassador**, Admissions Office, Gettysburg College