SALEHA IFTIKHAR

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EDUCATION

Gettysburg College   Expected Graduation: May 2026
Bachelor of Science in Computer Science; Minor in Data Science; Minor in Mathematics
Awards: Eisenhower Scholar, Dean's Honors List, Dean's Commendation List, Pi Mu Epsilon Member - Math Honors Society
Relevant Courses: Object Oriented Programming, Data Structures & Algorithms, Database Systems, AI, Theory of Computation, Assembly Language, Data Science Programming, Linear Algebra, Calculus III, Abstract Math, Web Development, Operating Systems

SKILLS

Programming Languages: Python, Java, Ruby, JavaScript, PHP, HTML, CSS, SQL | **Frameworks/Libraries:** Ruby on Rails, Bootstrap, Streamlit, NumPy, Pandas, Seaborn | **Tools/Technologies:** Git, WordPress, Gravity Forms

TECHNICAL EXPERIENCE

Software Developer - Impact Rehab (Senior Capstone Project)   August 2025 - December 2025
Computer Science Department   Gettysburg College, PA
- Engineered a full-stack physiotherapy management app using PHP, JavaScript, and MySQL, automating MSK score calculations and streamlining patient data workflows.
- Implemented secure authentication, session management, and real-time analytics with JSON and Chart.js.
- Led a 3-member team through full SDLC execution, from ER-modeled database design to deployment, ensuring scalable, production-ready performance.

Web Development Intern   May 2025 - August 2025
Enlisted Association of the National Guard - EANGUS   Washington, DC
- Developed a WordPress plugin using PHP, JavaScript, and MySQL to manage 1,000+ leadership records across 5 directory sections, implementing secure admin forms, dynamic shortcodes, and responsive UI.
- Streamlined website UI, asset management, and data workflows to improve accuracy and long-term efficiency.
- Enhanced digital outreach for advocacy, education, and fundraising through web design, messaging, and data visualization.

Software Engineer Intern   May 2025 - Aug 2025
Stealth Startup - The Tone Core   Remote
- Developed core features for a Rails 8 + Hotwire trading platform, enabling real-time trades and user management.
- Streamlined UX with Tailwind CSS and optimized multi-step trade flows to reduce friction and boost engagement.
- Contributed to agile development with GitHub, Docker, and PostgreSQL; wrote RSpec tests, enforced RuboCop, and supported Kamal deployments.

Fuerza - Fitness Social Media Web App   January 2025 - May 2025
Computer Science Department   Gettysburg College, PA
- Developed a full-stack social fitness platform using React, Node.js/Express, and MySQL, enabling users to log workouts, share posts, follow others, and direct message.
- Designed normalized relational database schemas with transactional integrity for workouts, posts, follows, and messaging.
- Implemented JWT-based authentication with refresh tokens, RESTful APIs, and UI updates for real-time user experience.

LEADERSHIP AND STUDENT LIFE EXPERIENCE

Residential Assistant & Coordinator   August 2023 - Present
Office of Residential Education   Gettysburg College, PA
- Foster a supportive living environment for 35 first-year students by leading monthly community meetings, facilitating roommate agreements, and organizing social events to promote inclusivity.
- Supervise 6 RAs through weekly meetings, providing mentorship and addressing community needs to enhance engagement.

OTHER EXPERIENCES

Digital Engagement Analyst   August 2023 - December 2023
Department of Annual Giving   Duke Children's Hospital
- Analyzed donor engagement data from 500+ phone calls and surveys using Python, uncovering key trends.
- Shared data-driven insights with the Communications team, optimizing website interactions and boosting donor engagement.

EXTRACURRICULARS

Science and Innovation Research Undergraduate Fellow at Gettysburg College   August 2025 - Present
Student Life Committee Member at Gettysburg College   July 2025 - Present
International Student Ambassador and Campus Tour Guide at Gettysburg College   September 2022 - Present