

Almuthanna Shihab

Aspiring Software Architect | Software Development Student | Finance Enthusiast

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GitHub: <https://github.com/almuthanna1>

Portfolio: <https://ashihab.com>

Profile

Computer Science student at Northern Illinois University (NIU) specializing in Software Development with a minor in Finance. Passionate about creating scalable, user-friendly applications that combine technical innovation with business impact. Experienced in full-stack development, system design, and automation. Proven ability to apply analytical and financial knowledge to develop smart, data-driven business solutions. Currently building real-world projects including FilesMagic, a file conversion web platform, and Fresh Pantry, a smart pantry management app.

Education

Northern Illinois University (NIU) — DeKalb, IL

Bachelor of Science in Computer Science, Software Development emphasis

Minor: Finance

Aug 2023 – Expected May 2027

- Member, NIU Honors Program
 - Relevant coursework: Algorithms, System Design, Software Engineering, Financial Statement Analysis, Investment Strategies
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Technical Skills

- **Languages:** Python, JavaScript, C++, HTML, CSS, SQL

- **Frameworks/Tools:** Flask, React, React Native, VS Code, Heroku, Render
 - **Databases:** Microsoft Access, SQL
 - **Other:** API Integration, Automation, Agile, Git
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Experience

Northern Illinois University — DeKalb, IL

IT Support Technician (Part-time)

Sep 2024 – May 2025

- Provided technical support for students and faculty on hardware, software, and networking issues.
- Managed rental laptop program including inventory tracking and troubleshooting.
- Assisted in setting up classroom technology and ensured smooth IT operations.

Alpha Baking Co., Inc. — Chicago, IL

Systems Support Analyst Intern

May 2024 – Aug 2024

- Developed Python and SQL automation to reduce manual data entry by 40%.
- Streamlined IT workflows, improving accuracy and efficiency.
- Resolved over 130 technical issues, enhancing system performance and user satisfaction.

Northern Illinois University — DeKalb, IL

Academic Tutor

Jan 2024 – May 2024

- Tutored students in business and computing subjects, improving comprehension and assignment completion.
- Guided students in ePortfolio creation and learning strategies.

Goldfish Swim School — St Charles, IL

Deck Supervisor & Swim Instructor

Oct 2021 – Sep 2023

- Supervised swim lessons, facilitated smooth transitions, and supported instructors and parents.
 - Maintained safety protocols and provided excellent customer service.
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Projects

FilesMagic — Founder & Developer

Sep 2024 – Present

- Created a web app for seamless file format conversions (Word, PDF, image formats).
 - Built frontend and backend using HTML, JavaScript, Python (Flask).
 - Integrated APIs and automation for fast, reliable conversions.
 - Focused on accessibility, user experience, and continuous feature improvements.
filesmagic.com
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Certifications

- Microsoft Office Specialist: Access — Udemy, Jan 2025
 - Microsoft Office Specialist: Excel — Udemy, Jul 2021
 - Accounting & Financial Statement Analysis — Udemy, Jul 2024
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Awards & Honors

- Honors Engagement Award, NIU Honors Program, 2024

Additional Information

- Languages: Fluent in English