

ASHRAF ABDUL-MUUMIN

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EDUCATION

Illinois Institute of Technology, Chicago, IL
Masters, Information Technology, GPA: 4.0

Aug 2024 – Dec 2026

Garden City University College, Kumasi, Ghana
Bachelor of Science, Computer Science

Sep 2018 – Jun 2022

SKILLS

Language/Tools: C# (.NET), PYTHON, TYPESCRIPT, JAVASCRIPT (NEXTJS, REACTJS, NODE.JS/EXPRESSJS, JQUERY), PHP, SQL (POSTGRESQL, MYSQL), MICROSOFT AZURE, HTML, CSS (TAILWIND, BOOTSTRAP), VERCEL, GIT, DOCKER, AI, FIGMA
Others: RESTFUL API, AGILE, RESPONSIVE DESIGN, USER INTERFACE DESIGN, USER EXPERIENCE, DATA STRUCTURES, LINUX, BASH, OPERATING SYSTEMS

VOLUNTEER EXPERIENCE

Software Engineer (AI/ML)

AIFS – Chicago, IL

Oct 2024 – Present

- Integrated Microsoft's Semantic Kernel using **C#** to enhance semantic understanding and message processing capabilities, leveraging advanced AI techniques and customizable prompt templates
- Optimized data storage and retrieval by implementing **Azure Cosmos DB**, ensuring high availability and scalability for message workflows.
- Automated deployments' workflows for Azure Function Apps using **GitHub Actions**, streamlining CI/CD processes for faster and more reliable deployments.
- Deployed a highly scalable **HTTP Azure Function App using .NET and Azure**, achieving efficient processing of dynamic workloads and optimizing cloud resource utilization.

Web Developer

ACM Illinois Tech – Chicago, IL

Nov 2024 – Present

- Leveraging **GitHub, Figma, HTML, CSS and JavaScript** to design, manage and maintain ACM Board's Main Website.

PROJECTS

A. Recipe Sharing App - <https://recipe-share-app.vercel.app>

- Designed and developed an app for users to submit, search for, and view recipes.
- Built with **Vercel, PostgreSQL, Azure, DevOps (Agile simulation), NextJS, TailwindCSS, NextAuthJS, TypeScript, NodeJS, and OpenAI**.

B.RAG: Python Web Scraper and Content Extractor/Comparer - <https://github.com/chirix33/WebScrapeInsight>

- A Web Scraping program that extracts semantic content from websites and compares them if they have changed.
- Built with **Python, NumPy, ScaPy, BERT, PyMuPDF and BeautifulSoup4**.

WORK EXPERIENCE

Full Stack Developer

Onesolution – Kumasi, Ghana

Sep 2023 – Aug 2024

- Developed the PHP desktop application version of the Point of Sales web app, ensuring consistent user experience across platforms. 63% of clients opted for our desktop application because we had a better edge over competitors.
- Integrated backend services using Express.js, ensuring reliable data management and backend functionality. Synchronization API requests were made to web services to keep desktop client up to date with sales and products. Zero reports of data inconsistencies were found in the database after desktop client was taken to production.