

# DZAH SOLOMON

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## EDUCATION

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**University of Ghana, Legon Ghana**

**Expected graduation date:** July 2027

**Degrees:** BSc. Computer Science

**CGPA:** 3.88

**Relevant Coursework:** Object-Oriented Programming, Systems Programming, SQL Databases, Calculus, Operating Systems, Software Engineering Principles & Practices

## SKILLS

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- ❖ **Programming languages:** Python, SQL, JavaScript, C++
- ❖ **Worked with:** Python, JavaScript, SQL, HTML 5, CSS 3, Git/GitHub, Object Oriented & Functional Programming, Desktop App Development (Tkinter, Qt for UI/UX)

## PROJECTS

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### Library Management System

<https://github.com/ZiglaCity/LMS>

- ❖ Developed an intuitive desktop app to optimize library management
- ❖ Utilized Python, Tkinter, and SQLite technologies.
- ❖ Key features include book management, borrower tracking, and return handling.
- ❖ Customizable settings and personalized admin greetings enhance user experience.

### ZTube

<https://github.com/ZiglaCity/ZTube>

- ❖ Built ZTube, a YouTube video downloader to offer seamless video downloading experiences.
- ❖ Utilized Python, Tkinter, and YouTube API.
- ❖ Enabled downloads in multiple resolutions, real-time progress updates, responsive UI, and automatic online status checks.
- ❖ Featured customizable settings, error handling, and a modern, user-friendly GUI design.

### Currency Converter

<https://github.com/ZiglaCity/currency-converter-app>

- ❖ Developed a desktop application for converting between various currencies.
- ❖ Utilized Python, Tkinter, and API integration.
- ❖ Included features such as currency selection, a search field, integrated calculator, and online mode for latest exchange rates.
- ❖ Added multiple functionalities for enhanced user control and offline usage.

### The TechSaints Website

<https://thetechsaints.netlify.app/>

- ❖ Developed the official website for The TechSaints, my startup tech brand.
- ❖ Utilized HTML, CSS, and JavaScript.
- ❖ Featured wide range of tech services.
- ❖ Shared industry insights and trends via a blog, and facilitated user inquiries and resources

### ZScreen

<https://github.com/ZiglaCity/Z-Screen>

- ❖ Developed a desktop application for Windows to capture screenshots and record screens.
- ❖ Utilized Tkinter for the user interface.
- ❖ Featured high-quality screenshot capture, screen recording, and mouse pointer highlighting.
- ❖ Enabled custom save locations for screenshots and recordings.

## CAMPUS INVOLVEMENT

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- ❖ **Clubs:** Participant of; HacksPlain, Computer Science Students Association,
- ❖ **Interests:** Software Engineering, Cybersecurity, Artificial Intelligence.