

# UGANDA TECHNOLOGY AND MANAGEMENT UNIVERSITY

## WEEKLY JOURNAL REPORT

MUHWEZI ASAPH

SEP23/BSC/3567U/F

### BACHELOR OF SCIENCE COMPUTER SCIENCE

WEEK 1: 30<sup>th</sup>/JUNE/2025 – 05/07/2025

|    |  |  |
|----|--|--|
| 1. | What have been your success/<br>accomplishments?                                   | <ul style="list-style-type: none"><li>• Successfully completed orientation and understood the internship structure and expectations.</li><li>• Installed essential tools such as Visual studio code, Git, Node.js, and extensions like Live server.</li><li>• Built a basic HTML “About Me” webpage using proper tags and structure.</li><li>• Practiced markdown and created a professional README.md.</li><li>• Understood Agile methodology</li></ul> |
| 2. | What have been the challenges, fears   | <ul style="list-style-type: none"><li>• Initial nervousness about handling many new technologies in a short time.</li><li>• Some difficulties during software installations due to internet issues.</li><li>• Confusion with Git commands and connecting local to remote GitHub repository.</li></ul>  |
| 3. | What are the relationships between your internship and your previous job training? | <ul style="list-style-type: none"><li>• Internship reinforces previous theoretical classroom training with real-world, hands-on application.</li><li>• Prior knowledge of basic HTML helped understand web structure more quickly.</li><li>• This internship adds depth to Git/GitHub usage, which was just hinted on in class.</li><li>• The practical Agile approach bridges the gap between theory and how modern teams actually work.</li></ul>      |

|    |   |   |
|----|---|---|
| 4. | What could be the difference between what you have observed in the field and what you learned in class? | <ul style="list-style-type: none"> <li>• In class, emphasis was more on theory; here, the focus is on doing and experimenting.</li> <li>• Class projects less structured, while internship activities organized using Agile.</li> <li>• In the field, code is managed professionally using version control and GitHub, unlike the local only file management in school.</li> </ul>  |
| 5. | What could be the experience you have gained so far from being part of the organization/community?      | <ul style="list-style-type: none"> <li>• Learned the value of teamwork, collaboration, and peer accountability.</li> <li>• Gained exposure to real software development tools and workflows used by professionals.</li> <li>• Became part of a tech-driven culture focused on innovation and continuous improvement.</li> <li>• Experienced a blended learning format (physical and online) requiring time management and discipline</li> </ul> |
| 6  | List activities done for the week   | <ul style="list-style-type: none"> <li>• Monday            Orientation to internship    program</li> <li>• Tuesday and       Installed development tools (VS code, Node.js, Git, extensions) and learning of how agile methodology works<br/>Wednesday</li> <li>• Thursday        Git and GitHub orientation</li> <li>• Friday and        HTML5 basics – Created “About Me”<br/>Saturday            webpage</li> </ul>                          |

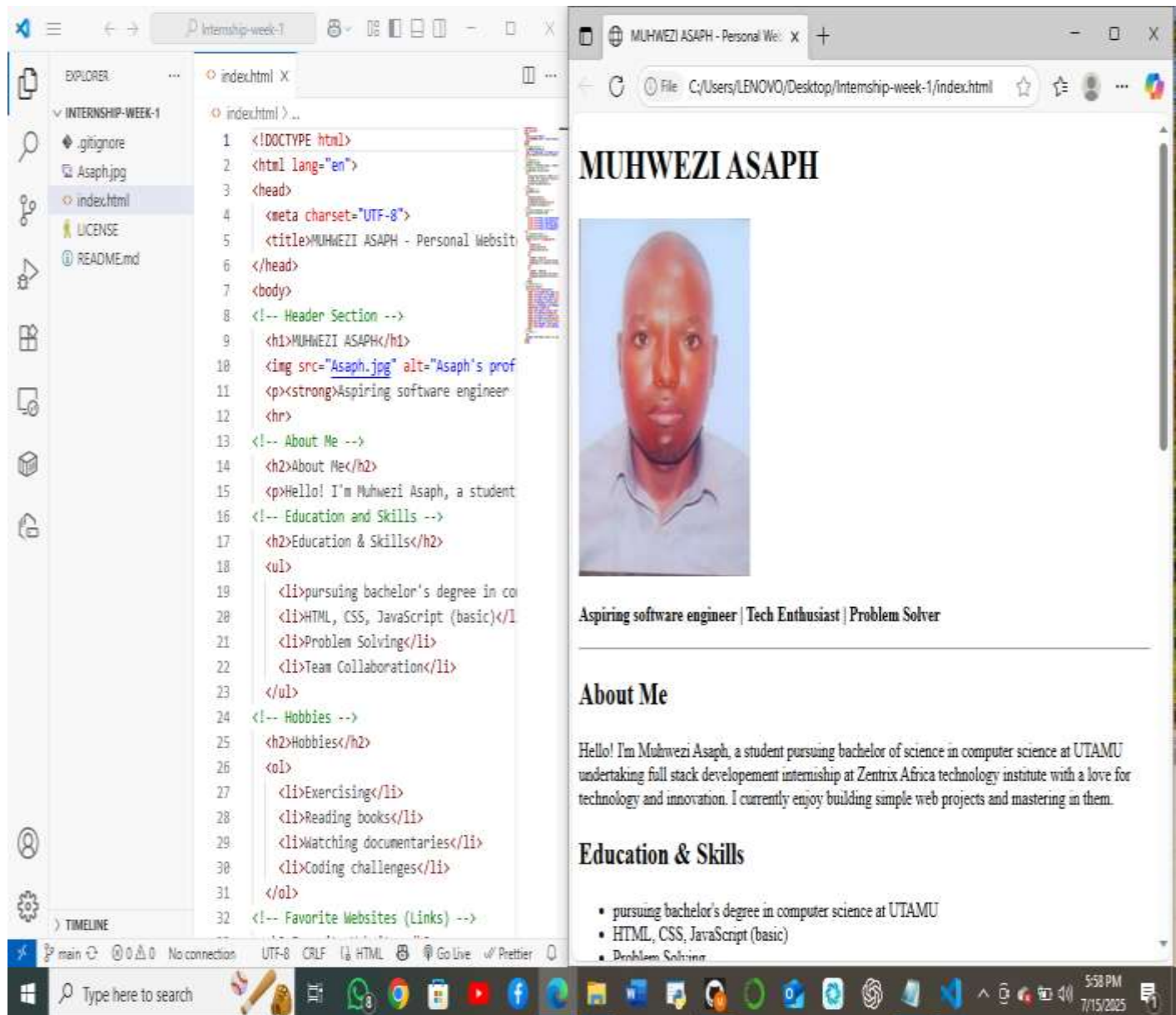


Figure 1 shows screenshot of created "about me" webpage

## DAILY RECORD OF PROGRESS

Week 1 internship at Zentrix Africa Technologies institute

Internship Duration: 30 June 2025 – 18th August 2025

Week covered: Week 1 (30<sup>th</sup> June – 06<sup>th</sup> July 2025)

Location: National ICT Innovation Hub, Nakawa (Physical) and Online

### DAY BY DAY DETAILED BREAKDOWN

Day 1 – Monday, 30<sup>th</sup> June 2025 (Physical)

Activity: Internship orientation and program overview

Key concepts covered:

- Overview of Zentrix Africa Technologies institute and its work in tech innovation.
- Structure and objectives of the internship
- Internship deliverables: Weekly reports, attendance, final project.
- Weekly schedule: Mon/Wed/Fri (Physical), Tue/Thu/Sat (Online)
- Expected technologies: HTML, CSS, JS, React, Node.js, Express, MongoDB, Git, GitHub

Lessons learned:

- Understood the structure and expectations of the internship.
- Learned about the technology to use and what will be covered in 8 weeks.

Challenges faced:

- Getting familiar with the internship workflow and expectations.

Recommendations:

- Provide a printed or digital orientation guide for interns.
- Have a questions and answer session to clarify doubts after orientation.

I declare that all the information provided is true

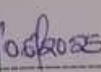


Signed by trainee

30/06/2025

Date





Date

Figure 2 shows screenshot of record of progress day 1

Day 2 and 3 – Tuesday, 01<sup>st</sup> July 2025 (online) and Wednesday ,02<sup>nd</sup>/July 2025(physical)

Activity: Tools installation and development environment setup

Key concepts covered:

- Installation of visual studio code (code editor)
- Installation of Node.js and npm
- Installed Git
- Verification of installations using terminal command
- What Agile is and how it works (sprints, daily stand-ups)

Lessons learned:

- Learned to install developer tools and configure environments.
- Understood the purpose of each tool in web development.
- Gained confidence using the terminal for checking installations.
- Understood Agile methodology in team projects.
- Learned to organize work in sprints and tasks.

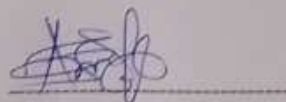
Challenges faced:

- Slow internet affecting downloads.

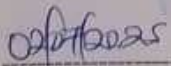
Recommendations:

- Provide offline installers on flash drives for those with poor connectivity.

I declare that all the information provided is true



Signed by trainee



Date



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Date \_\_\_\_\_

Figure 3 shows screenshot of record of progress day 2&3

Day 4 – Thursday, 03<sup>rd</sup> July 2025 (online)

Activity: Introduction to Git and GitHub for version control

Key concepts covered:

- Version control using Git
- Creating GitHub accounts
- Connecting local repo to GitHub
- Uploading (pushing) code to GitHub

Lessons learned:

- Learned how to track code changes using Git.
- Practiced pushing code to GitHub and writing commit messages.
- Understood basic Git commands: init, add, commit, push.

Challenges faced:

- Errors during git push.

Recommendations:

- Repeat GitHub practice at least twice during internship.
- Use of GitHub desktop where command line becomes a challenge.

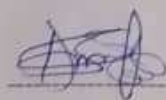
Day 5 and 6 – Friday, 4<sup>th</sup>/July 2025 (physical) and Saturday, 5<sup>th</sup>/July 2025(online)

Activity: Introduction to HTML5

Concepts covered:

- HTML Structure: <!DOCTYPE html>, <html>, <head>, <body>
- Tags: Headings (<h1>–<h6>), Paragraphs (<p>), Lists, Links, Images
- Forms: <form>, <input>, <label>, <textarea>, <button>
- Tables: <table>, <tr>, <td>, <th>
- Hands-On Tasks: Created "About Me" HTML page using VS Code

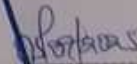
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Signed by trainee

05/07/2025

Date



Date

Figure 4 shows screenshot of record of progress day 4,5&6

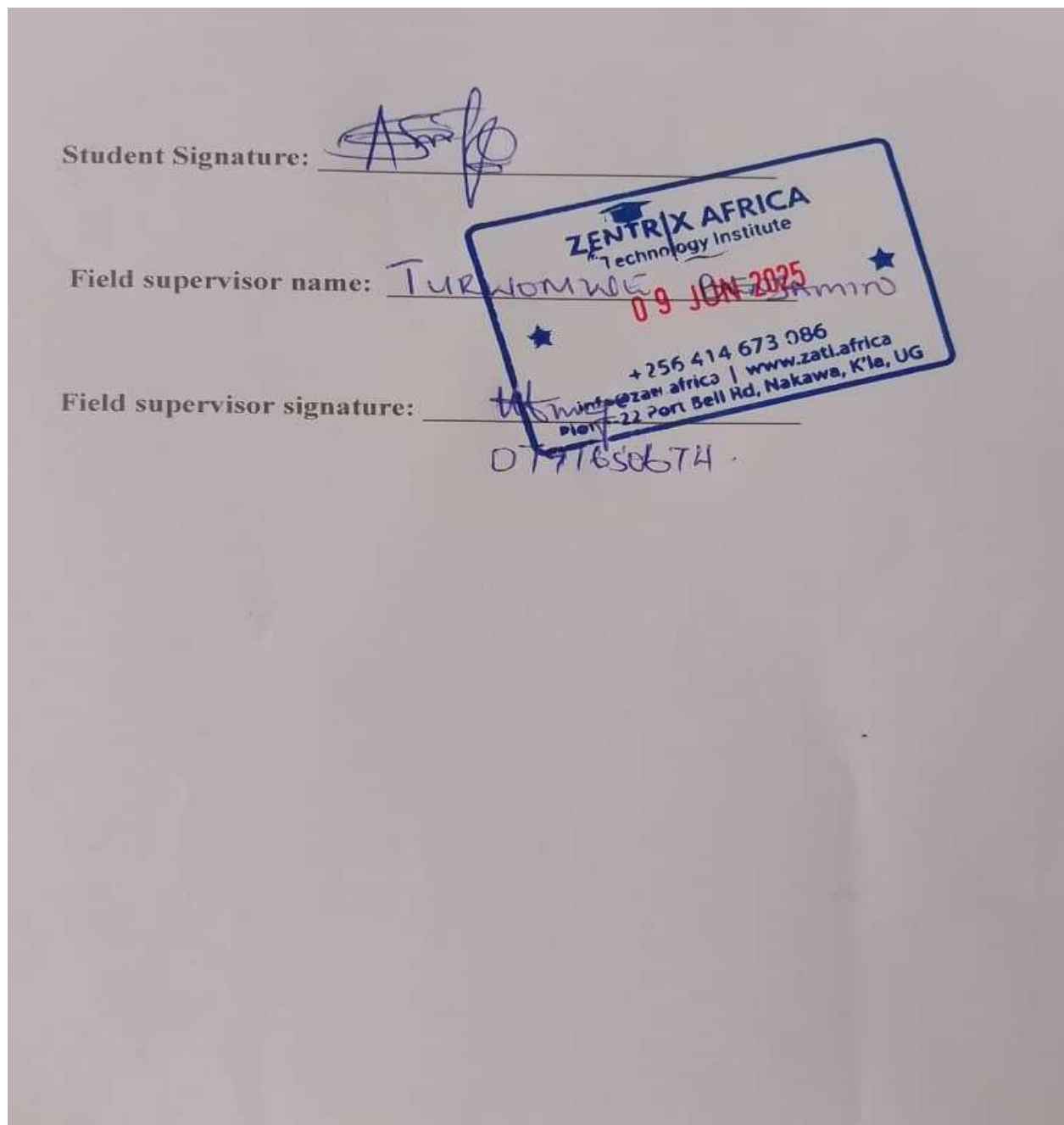


Figure 5 Figure 2 shows screenshot of final page of weekly report with the signature and name of the field supervisor

Below is the link to the repository of internship week 1

<https://github.com/muhweziasaph/Internship-week-1.git>