University of Sunderland

Program - BSc (Hons) Computer Systems Engineering (BSc.IT)

NAME: Aarjan Paudel

STUDENT NUMBER: 240703679

MODULE CODE: CET138

MODULE TITLE: Full Stack Development

MODULE LEADER: David Grey

SUBMISSION DATE AND TIME: As stated in the assignment submission page on Canvas for this module

ASSIGNMENT: First Assignment

Academic Misconduct is an offence under university regulations, and this involves:

- **Plagiarism** – where you use information from another information source (including your previously submitted work) and pass it off as your own. This can be through direct copying, poor paraphrasing and/or absence of citations.
- **Collusion** – where you work too closely, intentionally, or unintentionally, with others to produce work that is similar in nature. This can be through loaning of materials, drafts or through unauthorised use of a fellow student's work.
- **Asking another person to write your assignment** – where you ask another individual or company to complete your work for you, be that paid or unpaid, and submit it as if it were your own.
- **Unauthorised use of artificial intelligence** – where you use artificial intelligence tools to generate your assignment instead of completing it yourself and/or where you have not been given permission to use artificial intelligence tools by your module leader. Please complete the following declaration around you use of artificial intelligence tools in your assignment.

STATEMENT ON USE OF ARTIFICIAL INTELLIGENCE TOOLS:

• I have used artificial intelligence tools to generate an idea for my assignment:	**NO**
• I have used artificial intelligence tools to write my assignment for me:	**NO**
• I have used artificial intelligence tools to brainstorm ideas for my assignment:	**NO**
• I have used artificial intelligence tools to correct my original assignment:	**NO**

DECLARATION

- I understand that by submitting this piece of work I am declaring it to be my own work and in compliance with the university regulations on Academic Integrity.
- I confirm that I have done this work myself without external support or inappropriate use of resources.
- I understand that I am only permitted to use artificial intelligence tools in line with guidance provided by my Module Leader, and I have not used artificial intelligence tools outside this remit.
- I confirm that this piece of work has not been submitted for any other assignment at this or another institution prior to this point in time.
- I can confirm that all sources of information, including quotations, have been acknowledged by citing the source in the text, along with producing a full list of the sources used at the end of the assignment.
- I understand that academic misconduct is an offence and can result in formal disciplinary proceedings.
- I understand that by submitting this assignment, I declare myself fit to be able to complete the assignment and I accept the outcome of the assessment as valid and appropriate.

ANY OTHER COMMENTS FROM STUDENT:

HTML

What is HTML?

Definition:

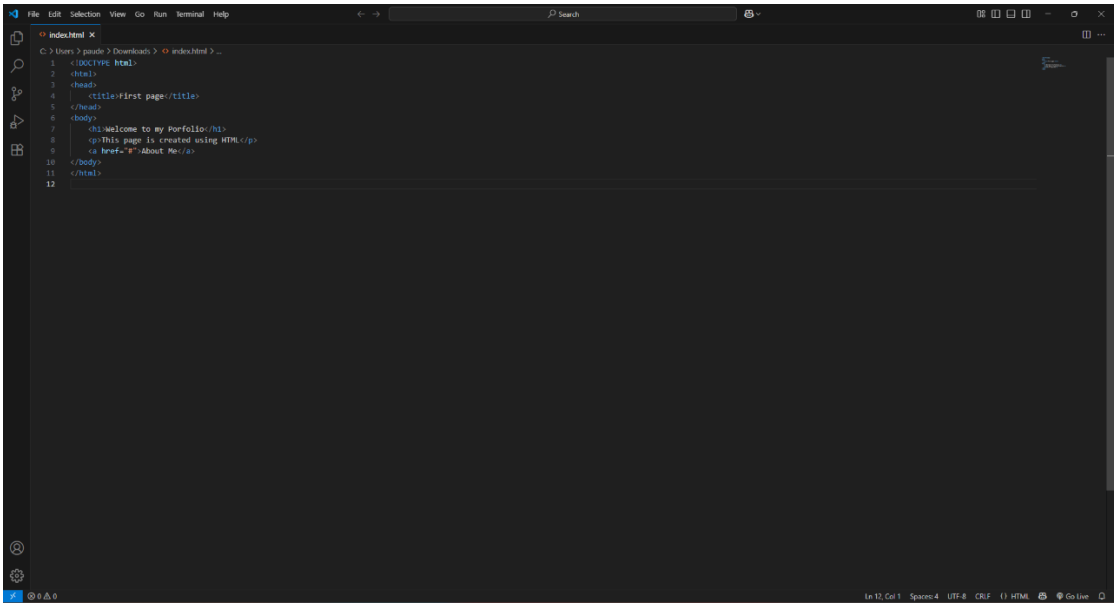
HTML (HyperText Markup Language) is the language of web page structure. It determines the design of the content using tags that indicate where paragraphs, headings, links, images, etc. will go.

Think of HTML as the skeletal structure of a webpage — it gives shape and meaning to the content, but it doesn't deal with how things look (that's CSS) or how things behave (that's JavaScript).

Key Features of HTML

- Employs tags such as <h1>, <p>, <a>, <img>.
- Semantic HTML and why it's essential for SEO Techniques (like <header>, <nav>, <footer>) to make pages more accessible.
- Pairs with CSS (style) and JavaScript (behavior).
- Is platform agnostic — it works in every browser.

Basic Example



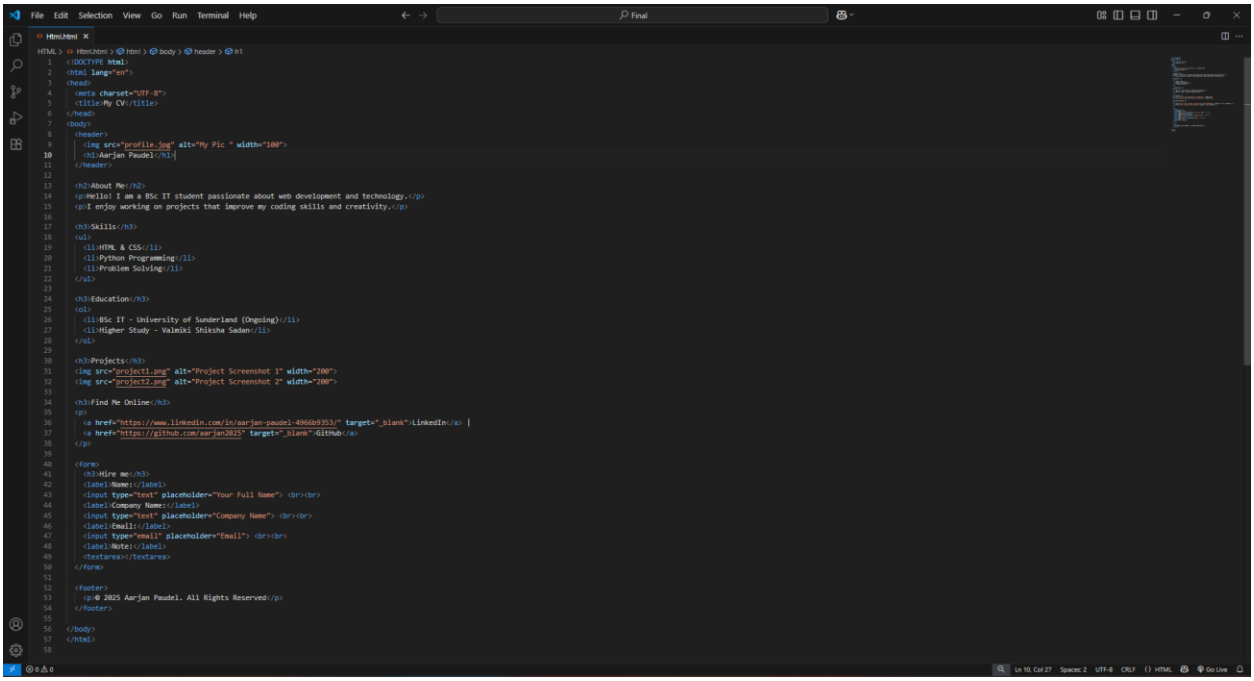
My Task: HTML CV Project

As part of the assignment, I have created a CV webpage using HTML.

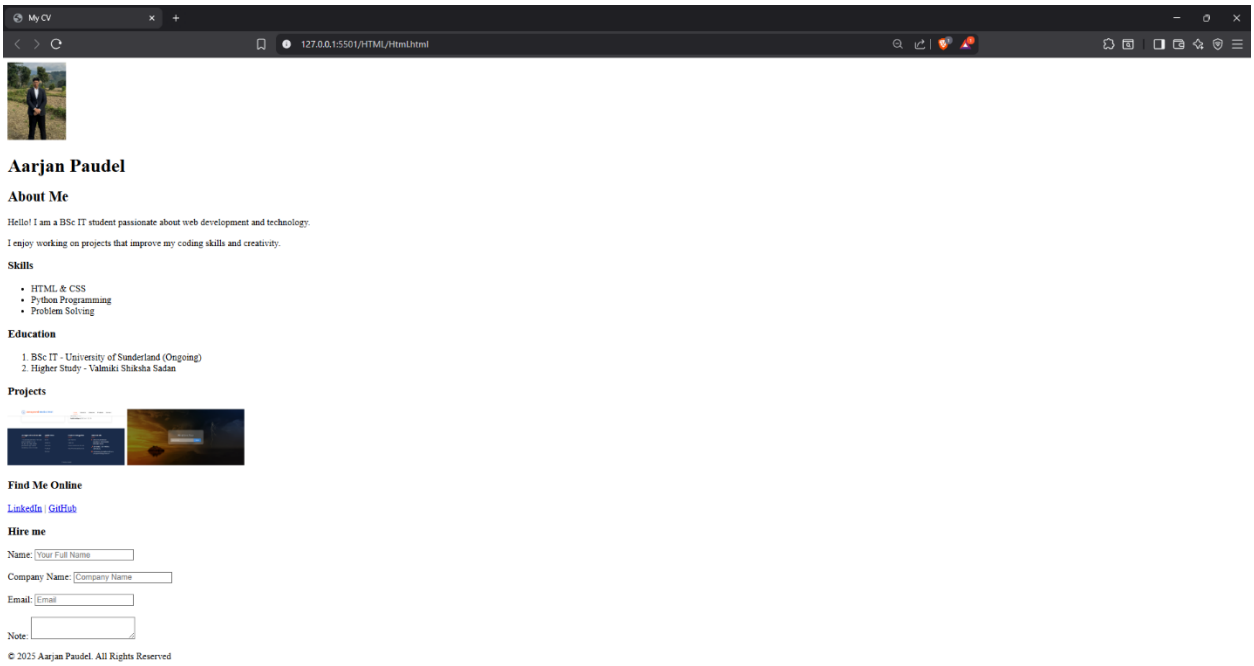
What my code demonstrates:

- Use of headings (<h1>, <h2>) for sections such as Name, About Me, Education, and Skills.
- Use of lists (<ul>, <li>) for skills.
- Use of ordered list (<ol>) for education history.
- Use of images (<img>) for profile picture and project screenshots.
- Use of links (<a>) to connect to my LinkedIn and GitHub profiles.
- Use of forms (<form>, <input>, <textarea>) for a “Hire Me” contact section.
- Use of <footer> for a professional ending with copyright information.

Screenshot of my code for cv:



Screenshot of my CV:



How It Works

- The HTML document begins with <!DOCTYPE html> and <html> tag.
- Inside <head>, the page title is defined.
- Inside <body>, the CV content is structured:
    - <header> contains profile image and <h1> for the name.
    - <h2> for sections like “About Me”, “Skills”, “Education”, “Projects”.
    - <p> for short descriptions about me.
    - <ul> for listing my skills.
    - <ol> for listing education in order.
    - <img> for showing my project screenshots.
    - <a> for linking to LinkedIn and GitHub.
    - <form> for the “Hire Me” section with input fields and textarea.
    - <footer> for the copyright note.