

Name: Ariba Shuaib

Registration Number: 230201075

Department and batch: CS O4 (A)

Semester: 5th semester

LAB TASK # 1

Web Technologies



Institute of Space and Technology

Submitted to: Ms. Maryam Batool

Objective

The objective of this lab is to design and implement a **personal portfolio website** using **pure HTML**, showcasing basic webpage structuring, linking multiple pages, inserting images, and creating a professional layout without the use of CSS.

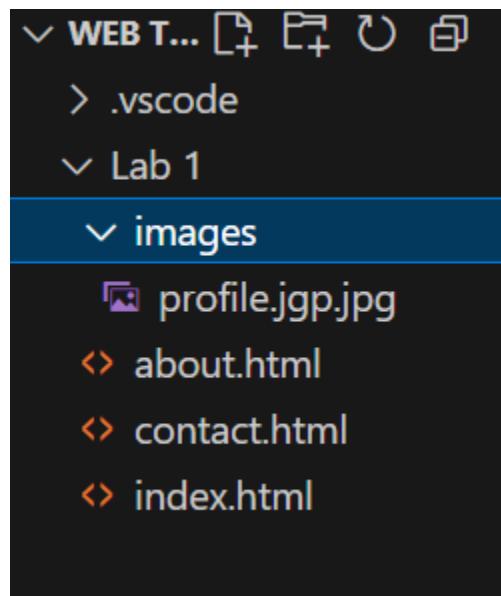
Tools & Technologies

- **Software:** Visual Studio Code (VS Code)
- **Language:** HTML5
- **Browser:** Google Chrome

Lab Task

Folder Structure

- **Lab 1** (main project folder)
 - **index.html** → Home page
 - **about.html** → About page
 - **contact.html** → Contact page
 - **images** (folder)
 - **profile.jpg** → Profile picture



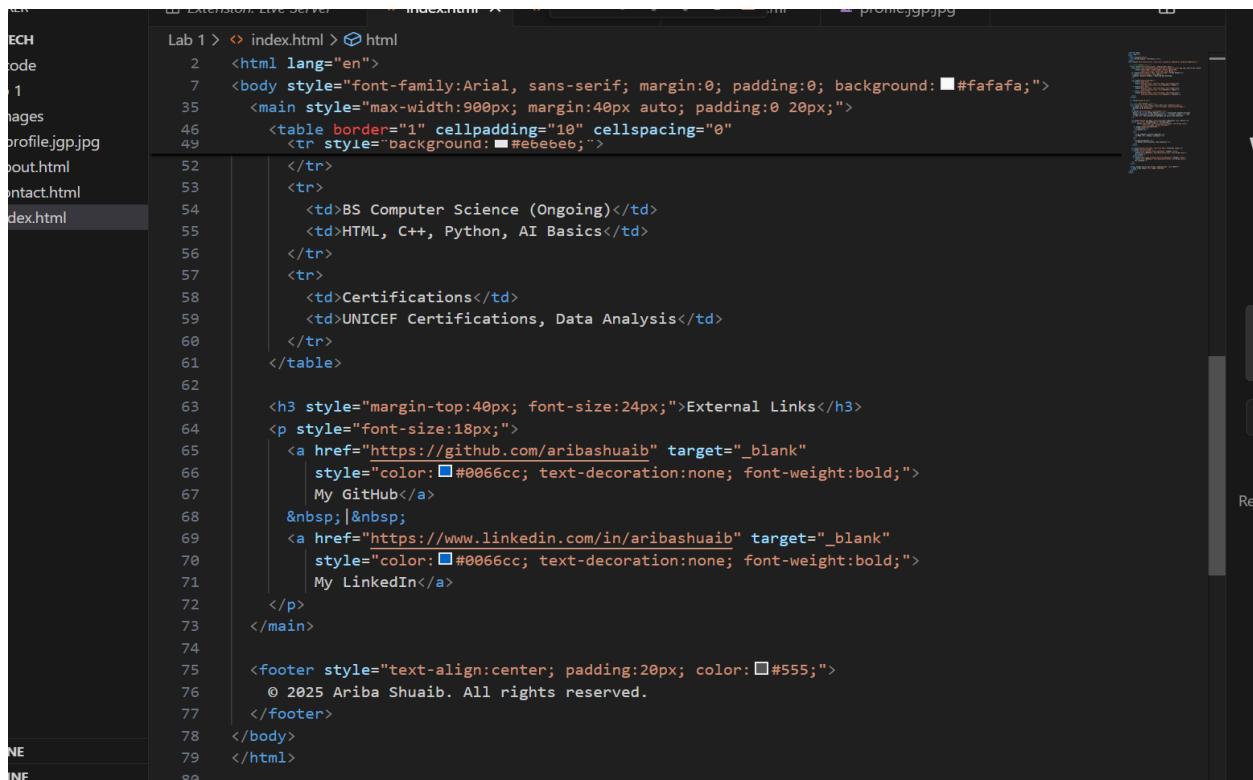
Code

index.html (Home page):

The screenshot shows the Visual Studio Code interface with the following details:

- Explorer View:** Shows a project structure under "WEB TECH" with files: .vscode, Lab 1, images (profile.jpg), about.html, contact.html, and index.html.
- Editor View:** Displays the content of the index.html file. The code includes a header section with a logo and navigation links for Home, About, and Contact. Below the header is a main content section with a welcome message, a table for Education & Skills, and a section for External Links.
- Output Panel:** Shows the output "Welcome to Copilot" and "Let's get started". It also includes buttons for "Add context (#)", "Build Workspace", and "Show Config". A note at the bottom says "Review AI output carefully before use."
- Bottom Status Bar:** Shows information like "In 2 Col 17 Spaces:4 UTF-8 CR LF HTML Go Live".

```
File Edit Selection View Go Run ... ↻ 🔍 web tech
EXPLORER ... Extension: Live Server index.html ...
Lab 1 > index.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <title>Ariba Shoaib | Portfolio</title>
6   </head>
7   <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:#fafafa;">
8
9   <!-- ===== HEADER ===== -->
10  <header style="text-align:center; padding:30px 10px;">
11    
12    <h1 style="margin:0 20px 0 10px; font-size:36px;">Ariba Shoaib</h1>
13    <p style="font-size:18px; color:#444;">Computer Science Student | Aspiring Web Developer</p>
14
15  <nav style="margin-top:25px;">
16    <a href="index.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">Home</a>
17    <a href="about.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">About</a>
18    <a href="contact.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">Contact</a>
19  </nav>
20  </header>
21
22  <hr style="margin:0 15%;>
23
24  <!-- ===== MAIN CONTENT ===== -->
25
26
27
28
29
30
31
32
33
34
35
36
37  | Welcome to My Portfolio!
38  | </h2>
39  | <p style="font-size:18px; line-height:1.6;">
40  |   Hello! I'm <strong>Ariba Shoaib</strong>, a passionate Computer Science
41  |   student exploring <em>web development</em>, <em>data science</em>, and
42  |   <em>AI</em>. This portfolio highlights my skills and interests.
43  | </p>
44
45  | <h3 style="margin-top:40px; font-size:24px;">Education & Skills</h3>
46  | <table border="1" cellpadding="10" cellspacing="0"
47  |   style="width:100%; border-collapse:collapse; text-align:center;
48  |   font-size:18px; margin-top:10px;">
49  |   <tr style="background-color:#e6e6e6;">
50  |     <th>Education</th>
51  |     <th>Skills</th>
52  |   </tr>
53  |   <tr>
54  |     <td>BS Computer Science (Ongoing)</td>
55  |     <td>HTML, C++, Python, AI Basics</td>
56  |   </tr>
57  |   <tr>
58  |     <td>Certifications</td>
59  |     <td>UNICEF Certifications, Data Analysis</td>
60  |   </tr>
61  | </table>
62
63  | <h3 style="margin-top:40px; font-size:24px;">External Links</h3>
```



The screenshot shows a code editor interface with the file 'index.html' open. The code is an HTML document structure. It includes a header section with a profile photo, name, and navigation links. The main section contains a table with education and skills, and a footer with a copyright notice.

```
Lab 1 > index.html > html
  2   <html lang="en">
  7     <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:#fafafa;">
 35       <main style="max-width:900px; margin:40px auto; padding:0 20px;">
 46         <table border="1" cellpadding="10" cellspacing="0"
 49           <tr style="background:#e6e6e6;">
 52             </tr>
 53             <tr>
 54               <td>BS Computer Science (Ongoing)</td>
 55               <td>HTML, C++, Python, AI Basics</td>
 56             </tr>
 57             <tr>
 58               <td>Certifications</td>
 59               <td>UNICEF Certifications, Data Analysis</td>
 60             </tr>
 61           </table>
 62
 63           <h3 style="margin-top:40px; font-size:24px;">External Links</h3>
 64           <p style="font-size:18px;">
 65             <a href="https://github.com/aribashuaib" target="_blank"
 66               style="color:#0066cc; text-decoration:none; font-weight:bold;">
 67               My GitHub</a>
 68             &nbsp;|&nbsp;
 69             <a href="https://www.linkedin.com/in/aribashuaib" target="_blank"
 70               style="color:#0066cc; text-decoration:none; font-weight:bold;">
 71               My LinkedIn</a>
 72           </p>
 73         </main>
 74
 75         <footer style="text-align:center; padding:20px; color:#555;">
 76           © 2025 Ariba Shuaib. All rights reserved.
 77         </footer>
 78       </body>
 79     </html>
 80
```

Explanation:

- `<!DOCTYPE html>` defines the HTML5 document type.
- `<header>` contains the profile photo, name, short intro, and navigation links.
- `` adds a circular profile picture using `border-radius:50%`.
- `<main>` holds the welcome text, a table showing education & skills, and external links.
- `<footer>` adds a copyright.

about.html (About Page):

```
Lab 1 > about.html > html > body > header > img
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="UTF-8">
5  |   <title>About | Ariba Shuaib</title>
6  </head>
7  <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:#fafafa;">
8
9  |   <!-- HEADER -->
10 |   <header style="text-align:center; padding:30px 10px;">
11 |       
12 |       <h1 style="margin:20px 0 10px; font-size:36px;">Ariba Shuaib</h1>
13 |       <p style="font-size:18px; color:#444;">
14 |           Computer Science Student | Aspiring Web Developer
15 |       </p>
16 |       <nav style="margin-top:25px;">
17 |           <a href="index.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">Home</a>
18 |           <a href="about.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">About</a>
19 |           <a href="contact.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">Contact</a>
20 |       </nav>
21 |   </header>
22
23 |   <hr style="margin:0 15%;">
24
25 |   <!-- MAIN -->
26 |   <main style="max-width:800px; margin:40px auto; padding:0 20px;">
27 |       <h2 style="text-align:center; font-size:30px;">About Me</h2>
28 |       <p style="font-size:18px; line-height:1.6;">
29 |           I'm a 5th-semester Computer Science student at IST (Islamabad, Pakistan). My passion lies in web technologies, AI, and data science. I enjoy building visually appealing, functional web applications and continuously improving my problem-solving skills.
30 |       </p>
31 |       <h3 style="margin-top:40px; font-size:24px;">Interests</h3>
32 |       <ul style="font-size:18px; line-height:1.8;">
33 |           <li>Front-end Web Development</li>
34 |           <li>Machine Learning & AI</li>
35 |           <li>Data Structures & Algorithms</li>
36 |       </ul>
37 |   </main>
38
39 |   <footer style="text-align:center; padding:20px; color:#555;">
40 |       © 2025 Ariba Shuaib. All rights reserved.
41 |   </footer>
42 |</body>
43 |</html>
```

```
Lab 1 > about.html > html > body > header > img
2  <html lang="en">
7  <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:#fafafa;">
10 |   <header style="text-align:center; padding:30px 10px;">
11 |       
12 |       <h1 style="margin:20px 0 10px; font-size:36px;">Ariba Shuaib</h1>
13 |       <p style="font-size:18px; color:#444;">
14 |           Computer Science Student | Aspiring Web Developer
15 |       </p>
16 |       <nav style="margin-top:25px;">
17 |           <a href="index.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">Home</a>
18 |           <a href="about.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">About</a>
19 |           <a href="contact.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">Contact</a>
20 |       </nav>
21 |   </header>
22
23 |   <hr style="margin:0 15%;">
24
25 |   <!-- MAIN -->
26 |   <main style="max-width:800px; margin:40px auto; padding:0 20px;">
27 |       <h2 style="text-align:center; font-size:30px;">About Me</h2>
28 |       <p style="font-size:18px; line-height:1.6;">
29 |           I'm a 5th-semester Computer Science student at IST (Islamabad, Pakistan). My passion lies in web technologies, AI, and data science. I enjoy building visually appealing, functional web applications and continuously improving my problem-solving skills.
30 |       </p>
31 |       <h3 style="margin-top:40px; font-size:24px;">Interests</h3>
32 |       <ul style="font-size:18px; line-height:1.8;">
33 |           <li>Front-end Web Development</li>
34 |           <li>Machine Learning & AI</li>
35 |           <li>Data Structures & Algorithms</li>
36 |       </ul>
37 |   </main>
38
39 |   <footer style="text-align:center; padding:20px; color:#555;">
40 |       © 2025 Ariba Shuaib. All rights reserved.
41 |   </footer>
42 |</body>
43 |</html>
```

Explanation:

- Simple page introducing personal background and interests.
- Reuses the same <header> navigation so all pages stay visually consistent.
- <p> contains descriptive text.

contact.html (Contact Page):

```
Lab 1 > contact.html > html > body > main > ul > li > a
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="UTF-8">
5  |   <title>Contact | Ariba Shoaib</title>
6  </head>
7  <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:#fafafa;">
8
9  |   <!-- HEADER -->
10 |   <header style="text-align:center; padding:30px 10px;">
11 |       
13 |       <h1 style="margin:20px 0 10px; font-size:36px;">Ariba Shoaib</h1>
14 |       <p style="font-size:18px; color:#444;">
15 |           Computer Science Student | Aspiring Web Developer
16 |       </p>
17 |       <nav style="margin-top:25px;">
18 |           <a href="index.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">Home</a>
19 |           <a href="about.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">About</a>
20 |           <a href="contact.html" style="margin:0 25px; font-size:20px; font-weight:bold; text-decoration:none; color:#0066cc;">Contact</a>
21 |       </nav>
22 |   </header>
23
24 <hr style="margin:0 15%;">
25
26 <!-- MAIN -->
27 <main style="max-width:800px; margin:40px auto; padding:0 20px;">
28     <h2 style="text-align:center; font-size:30px;">Contact Me</h2>
29     <p style="font-size:18px; line-height:1.6;">
30         Feel free to reach out for collaborations, internships, or any queries!
```

```
Lab 1 > contact.html > html > body > main > ul > li > a
 2   <html lang="en">
 7     <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:#fafafa;">
26       </header>
27
28       <hr style="margin:0 15%;">
29
30       <!-- MAIN -->
31       <main style="max-width:800px; margin:40px auto; padding:0 20px;">
32         <h2 style="text-align:center; font-size:30px;">Contact Me</h2>
33         <p style="font-size:18px; line-height:1.6;">
34           | Feel free to reach out for collaborations, internships, or any queries:
35         </p>
36         <ul style="font-size:18px; line-height:1.8;">
37           <li>Email: <a href="mailto:aribashuaib@gmail.com" style="color:#0066cc;">youremail@example.com</a></li>
38           <li>GitHub: <a href="https://github.com/aribashuaib" style="color:#0066cc;">github.com/aribashuaib</a></li>
39           <li>LinkedIn: <a href="https://www.linkedin.com/in/aribashuaib" style="color:#0066cc;">linkedin.com/in/aribashuaib</a></li>
40           </ul>
41         </main>
42
43       <footer style="text-align:center; padding:20px; color:#555;">
44         © 2025 Ariba Shuaib. All rights reserved.
45       </footer>
46     </body>
47   </html>
48
49
50
51
```

Explanation:

- Displays contact details inside an unordered list .
- GitHub and LinkedIn are clickable external links with target="_blank" to open in a new tab.
- Navigation is consistent with other pages.

Execution Steps

- Created a folder named Lab 1.
- Inside it I created:
 - index.html
 - about.html
 - contact.html
 - a folder named **images** (placed my **profile.jpg** inside).
- Opened index.html in any browser (Chrome here) to test navigation and links.

Output:

A screenshot of a web browser window. The address bar shows the file path: C:/Users/hp/Desktop/web%20tech/Lab%201/index.html. The main content area displays a circular profile picture of a woman with long dark hair, wearing a patterned top. Below the image is the name "Ariba Shoaib" in large bold black font. Underneath the name is the text "Computer Science Student | Aspiring Web Developer". At the bottom, there are three navigation links: "Home" (in blue), "About" (in blue), and "Contact" (in blue). The browser has several tabs open, including "Ariba Shuaib | Portfolio", "Sign Up | LinkedIn", "aribashuaib (Ariba Shuaib)", "LinkedIn: Log In or Sign In", and "aribashuaib (Ariba Shuaib)".

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** File C:/Users/hp/Desktop/web%20tech/Lab%201/index.html
- Open Tabs:** Ariba Shuaib | Portfolio, Sign Up | LinkedIn, aribashuaib (Ariba Shuaib), LinkedIn: Log In or Sign In, aribashuaib (Ariba Shuaib)
- Page Content:**
 - Header:** Home, About, Contact
 - Section:** Welcome to My Portfolio!
 - Text:** Hello! I'm **Ariba Shoaib**, a passionate Computer Science student exploring *web development, data science, and AI*. This portfolio highlights my skills and interests.
 - Section:** Education & Skills
 - Table:**

Education	Skills
BS Computer Science (Ongoing)	HTML, C++, Python, AI Basics
Certifications	UNICEF Certifications, Data Analysis
 - Section:** External Links
 - Links:** My GitHub | My LinkedIn
- Page Footer:** © 2025 Ariba Shuaib. All rights reserved.

Screenshot of a web browser showing the "About" page of Ariba Shuaib's website.

The browser tabs are:

- About | Ariba Shuaib
- Sign Up | LinkedIn
- aribashuaib (Ariba Shuaib)
- LinkedIn: Log In or Sign Up
- aribashuaib (Ariba Shuaib)

The address bar shows: File C:/Users/hp/Desktop/web%20tech/Lab%201/about.html

The page content includes:

Ariba Shoaib

Computer Science Student | Aspiring Web Developer

[Home](#) [About](#) [Contact](#)

About Me

I'm a 5th-semester Computer Science student at IST (Islamabad, Pakistan). My passion lies in **web technologies, AI, and data science**. I enjoy building visually appealing, functional web applications and continuously improving my problem-solving skills.

Interests

- Front-end Web Development
- Machine Learning & AI
- Data Structures & Algorithms

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Screenshot of a web browser showing the "Contact" page of Ariba Shuaib's website.

The browser tabs are:

- Contact | Ariba Shuaib
- Sign Up | LinkedIn
- aribashuaib (Ariba Shuaib)
- LinkedIn: Log In or Sign Up
- aribashuaib (Ariba Shuaib)

The address bar shows: File C:/Users/hp/Desktop/web%20tech/Lab%201/contact.html

The page content includes:



Ariba Shoaib

Computer Science Student | Aspiring Web Developer

[Home](#) [About](#) [Contact](#)

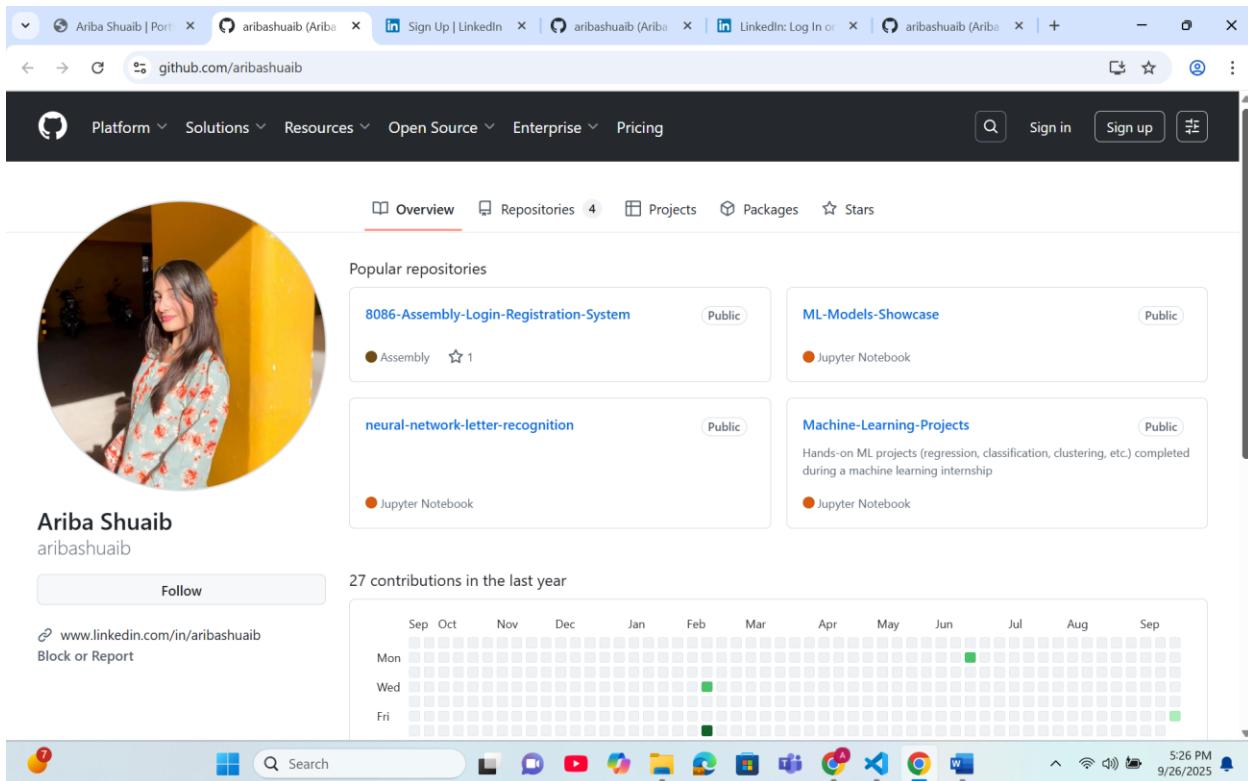
Contact Me

Feel free to reach out for collaborations, internships, or any queries:

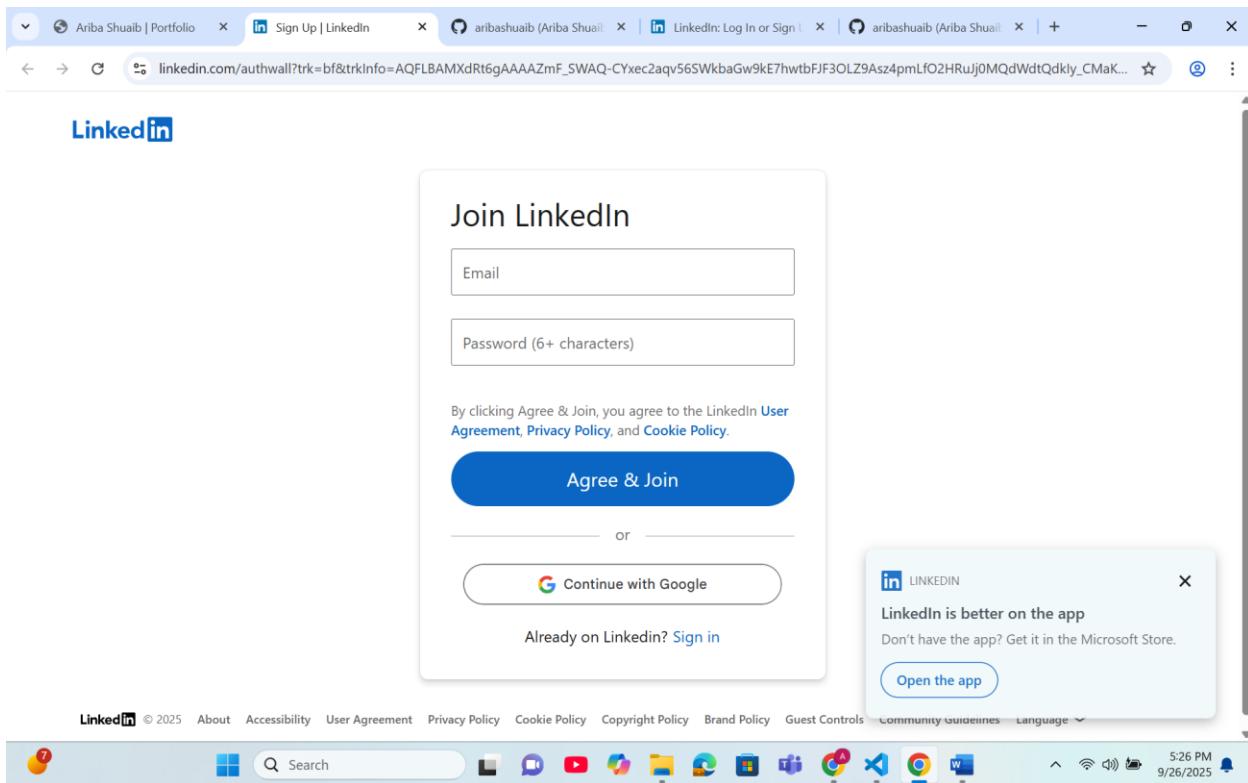
- Email: youremail@example.com
- GitHub: github.com/aribashuaib
- LinkedIn: linkedin.com/in/aribashuaib

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External Links:



The screenshot shows the GitHub profile of Ariba Shuaib. It features a large circular profile picture of her smiling. Her name, "Ariba Shuaib", and GitHub handle, "aribashuaib", are displayed below the picture. A "Follow" button is present. The "Overview" tab is selected, showing 4 repositories: "8086-Assembly-Login-Registration-System" (Public, Assembly, 1 star), "ML-Models-Showcase" (Public, Jupyter Notebook), "neural-network-letter-recognition" (Public, Jupyter Notebook), and "Machine-Learning-Projects" (Public, description: "Hands-on ML projects (regression, classification, clustering, etc.) completed during a machine learning internship", Jupyter Notebook). Below this, a calendar grid shows 27 contributions in the last year, with activity concentrated in September and October. The browser tabs include "Ariba Shuaib | Portfolio", "Sign Up | LinkedIn", "aribashuaib (Ariba Shuaib)", "LinkedIn: Log In or Sign Up", and "aribashuaib (Ariba Shuaib)".



The screenshot shows the LinkedIn "Join LinkedIn" sign-up page. It has two input fields for "Email" and "Password (6+ characters)". Below them is a link to the "User Agreement", "Privacy Policy", and "Cookie Policy". A large blue "Agree & Join" button is centered. An "OR" option allows users to "Continue with Google". Below this, a link says "Already on LinkedIn? Sign in". To the right, a small window promotes the LinkedIn app, stating "LinkedIn is better on the app" and "Don't have the app? Get it in the Microsoft Store.", with a "Open the app" button.