

# DIGITAL BUSINESS CARD

## UI/UX Design Fundamentals

**INSTRUCTOR NAME: DHIRAJ J**

**INSTITUTION NAME: CHRIST UNIVERSITY**

**DATE OF SUBMISSION: 11/08/2025**

<u>NAMES</u>	<u>REGISTRATION NUMBER</u>	<u>CHRIST EMAIL ID</u>
BARATH C G	2462507	barath.cg@btech.christuniversity.in
RISHI RENJITH	2461025	rishi.renjith@btech.christuniversity.in
SRI RAMANARAYANA	2461029	sri.ramanarayana@btech.christuniversity.in



## Abstract:

This project involves the development of a **Digital Business Card** using HTML and CSS. It aims to create a minimal and visually appealing one-page layout that serves as a personal identity card on the web. The card includes a name, profile photo, designation, and professional contact links such as LinkedIn and GitHub. Built entirely with front-end technologies, this project emphasizes responsive layout design, structured markup, and interactive CSS styling. The final outcome is a user-friendly web card that is functional, brand-oriented, and suitable for all devices. It demonstrates modern UI/UX practices while promoting digital identity over physical business cards.



## Objectives:

- Design a user-friendly interface using modern UI principles
- Develop a fully responsive layout using only HTML and CSS
- Implement structured HTML5 semantic elements
- Apply CSS styling for branding, layout, and responsive behavior
- Ensure accessibility and readability across devices

## Scope of the Project:

- Focused on front-end design only
- No JavaScript or server-side integration
- Intended for desktop, tablet, and mobile viewports
- Used only open-source tools and pure code (no libraries)

## Tools & Technologies Used:

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome DevTools	Testing and debugging

## HTML Structure Overview:

- Used semantic tags: <header>, <nav>, <main>, <section>, <footer>
- Structured into reusable sections: About, Projects, Contact
- Navigation menu using <ul> and anchor links for smooth scrolling



## CSS Styling Strategy:

- Used external CSS file (style.css)
- Organized with comments and sections
- Techniques used:
  - Flexbox and Grid for layout
  - Media Queries for responsiveness
  - CSS Variables for theme customization
  - Hover effects and transitions
  - Mobile-first design approach



## Key Features:

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Smooth Navigation	Fixed top nav with anchor links
Project Cards	Flex-based layout with hover effects
Contact Form (non-functional)	Placeholder layout for inputs and button
Accessible Fonts & Colors	High contrast and readable typography

 **Challenges Faced & Solutions:**

Challenge	Solution
Overlapping elements on small screens	Used media queries to stack elements
Difficulty aligning items using float	Shifted to Flexbox and Grid
Typography scaling issue	Used relative units (em/rem) instead of px

**Outcome:**

- Achieved a clean, consistent, and visually engaging front-end layout
- All key components function as intended using just HTML and CSS
- Learned about layout responsiveness and UI hierarchy in depth



## Future Enhancements:

- Add JavaScript for interactivity (form validation, dynamic content)
- Integrate animations or transitions
- Backend integration for form submission
- Theme toggler (light/dark mode)



## Sample Code:



### Snippet 1 – Barath CG's Layout Structure

This HTML snippet defines the foundational layout of the card using semantic tags. It displays the user's picture, name, role, and quick contact links.

```
html

<div class="card">
    <h1>Barath C G</h1>
    <p class="role">Web Developer</p>
    <p class="bio">Passionate about building beautiful and responsive websites.</p>
    <p>Registration Number: <strong>2462507</strong></p>
    <p>Email ID:
        <a href="mailto:barath.cg@btech.christuniversity.in">
            barath.cg@btech.christuniversity.in
        </a>
    </p>
    <div class="buttons">
        <a href="mailto:barath.cg@btech.christuniversity.in">Email</a>
        <a href="https://linkedin.com/in/barathcg">LinkedIn</a>
    </div>
</div>
```



## **Snippet 2 – Rishi Renjith's Interactive Button Styling**

This CSS snippet adds styling for contact buttons with hover animations, using Flexbox and transitions.

css

```
.card footer a {  
background-color: #007acc;  
color: white;  
padding: 10px 20px;  
border-radius: 25px;  
text-decoration: none;  
margin: 5px;  
display: inline-block;  
transition: transform 0.3s ease;  
}  
  
.card footer a:hover {  
transform: scale(1.1);  
background-color: #005f99;  
}
```



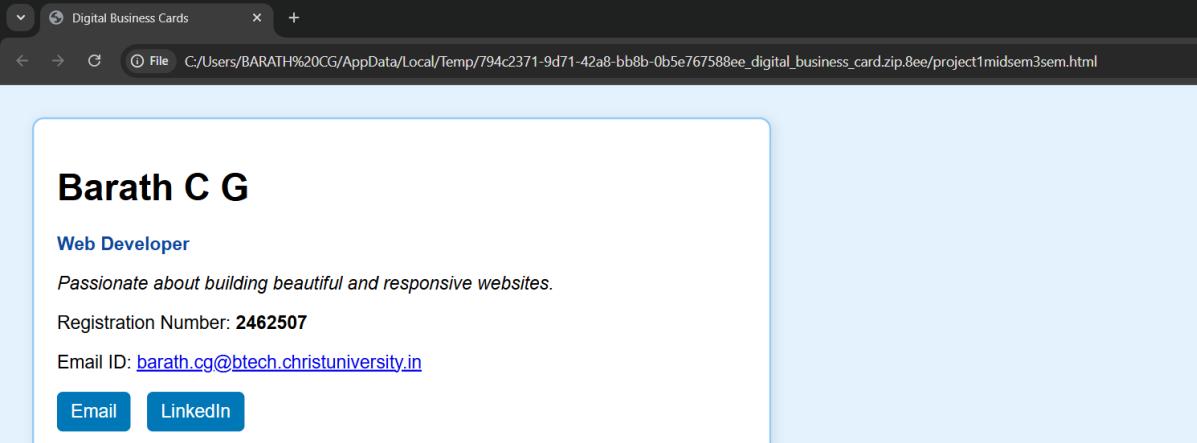
## **Snippet 3 – Sri Ramanarayana's Responsive Layout with Media Query**

This CSS snippet ensures the card layout adapts to smaller screens, enhancing usability on mobile devices.

css

```
@media (max-width: 600px) {  
.card {  
padding: 1.5rem;  
font-size: 90%;  
box-shadow: none;  
border: 1px solid #ccc;  
}  
  
.card img {  
width: 80px;  
height: 80px;  
}  
  
.card footer a {  
display: block;  
margin: 10px auto;  
}  
}
```

## Screenshots of Final Output:



Digital Business Cards

C:/Users/BARATH%20CG/AppData/Local/Temp/794c2371-9d71-42a8-bb8b-0b5e76758ee\_digital\_business\_card.zip.8ee/project1midsem3sem.html

**Barath C G**

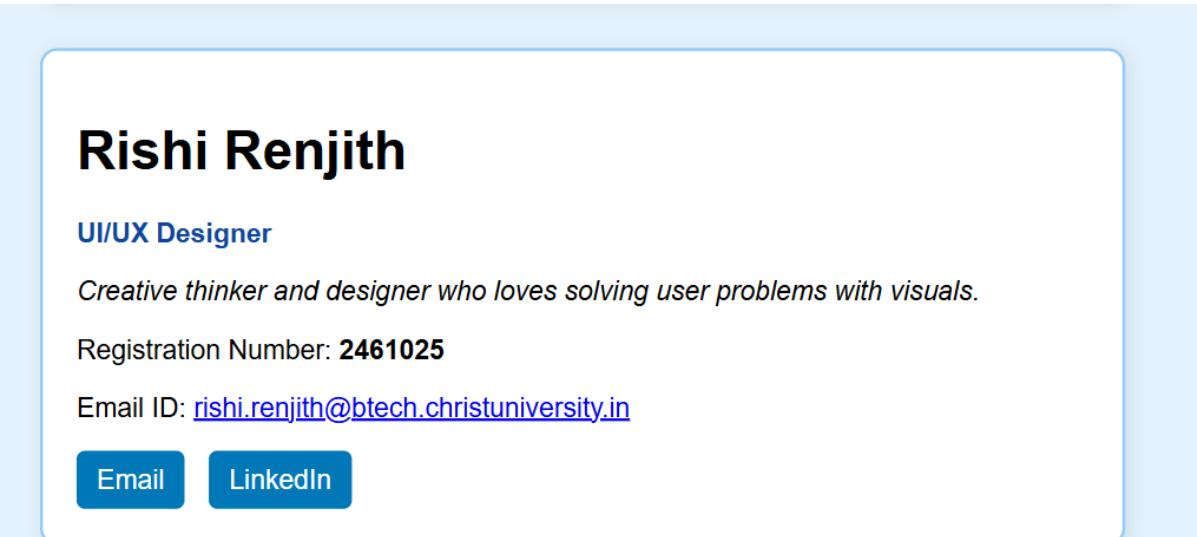
**Web Developer**

*Passionate about building beautiful and responsive websites.*

Registration Number: **2462507**

Email ID: [barath.cg@btech.christuniversity.in](mailto:barath.cg@btech.christuniversity.in)

[Email](#) [LinkedIn](#)



**Rishi Renjith**

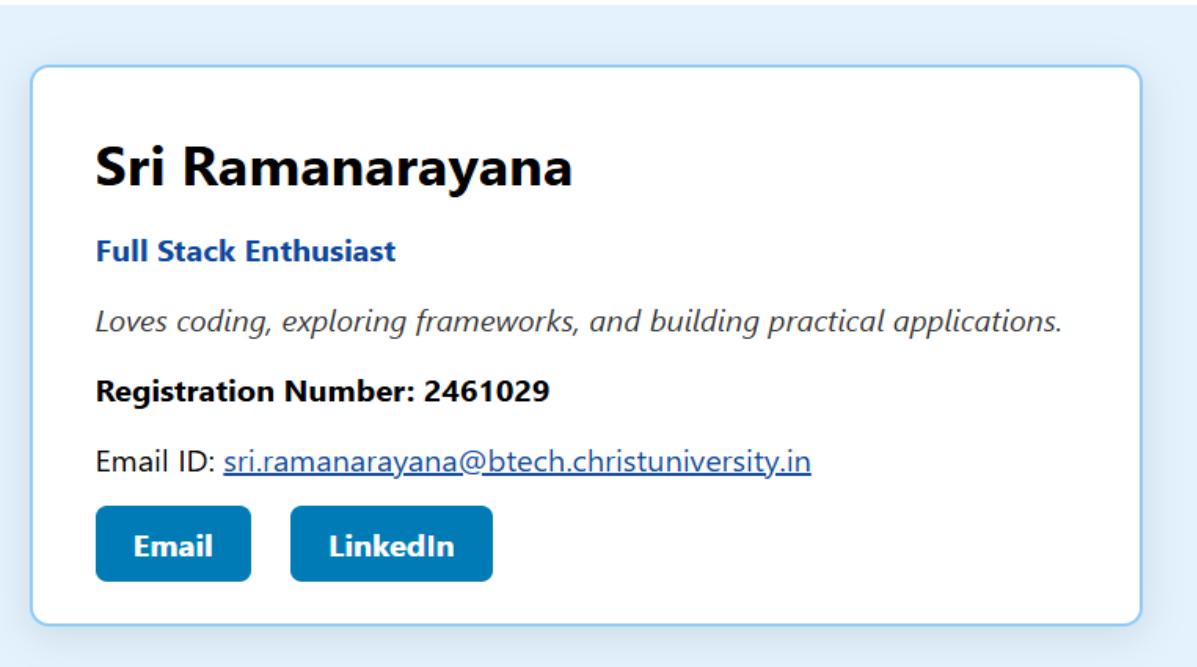
**UI/UX Designer**

*Creative thinker and designer who loves solving user problems with visuals.*

Registration Number: **2461025**

Email ID: [rishi.renjith@btech.christuniversity.in](mailto:rishi.renjith@btech.christuniversity.in)

[Email](#) [LinkedIn](#)



**Sri Ramanarayana**

**Full Stack Enthusiast**

*Loves coding, exploring frameworks, and building practical applications.*

**Registration Number: 2461029**

Email ID: [sri.ramanarayana@btech.christuniversity.in](mailto:sri.ramanarayana@btech.christuniversity.in)

[Email](#) [LinkedIn](#)



## Conclusion:

This digital business card project showcases how HTML and CSS can be used to build a lightweight, fully responsive identity card suitable for professionals. The project has helped us strengthen our front-end development skills, focus on content hierarchy, and understand visual appeal in modern web interfaces.



## References:

- L&T LMS:

<https://learn.lntedutech.com/Landing/MyCourse>