# Computer Science Lab Report

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## Introduction

In this project I developed a responsive portfolio website showcasing my projects and my CV, using HTML, CSS, JavaScript and frameworks like bootstrap and different libraries including Font awesome and Google Fonts. This website has five main sections that can be accessed through a menu and buttons on web pages. These sections are Home, CV, Projects, About and Contact. However, the Project section is designed for the future projects and there is no real data on it. In these report I will explain all the methods and technologies to develop different parts of this portfolio.

The portfolio is available in the Github repository.

Direct link to Portfolio.

The written CV is available on LaTeX.

This report is available on LaTeX.

## Design

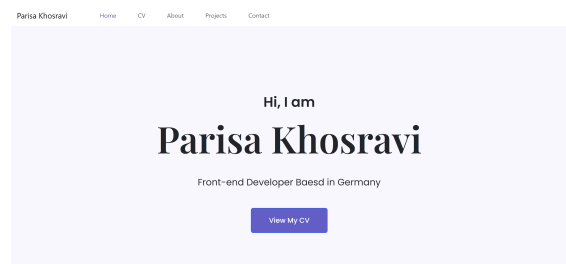The main page of the portfolio, has a hero section that gives access to the CV through a Button.



Figure 1: Hero Ssection

At the button the projects are showcased in a grid, as they are on the work.html. All the pages, including the CV page, are organized in two set of columns. In CV.html The left side has the picture and general information and contact ways. The right side has the written information as a typical CV. See figure 2.

## HTML Structure

This project has five HTML pages; index, CV, work, about, and contact. There is one style sheet and a folder for the pictures. Each HTML page code has three parts; head, body and footer.

### 0.1 Head

The first part is head, in which the font libraries and bootstrap are imported and the reference to the style sheet has been made. The code below is for implementing Bootstrap:

```
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.1/dist/css/bootstrap.min.css" ... />
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"...></script>
```
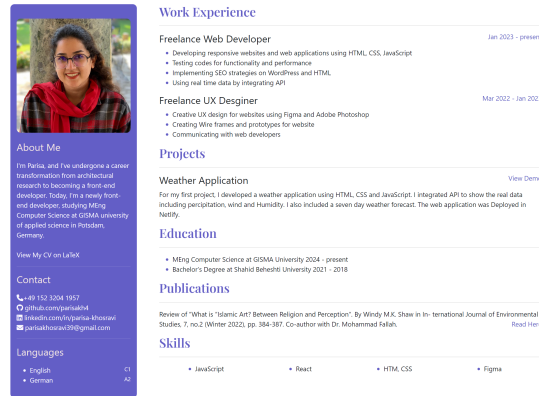
Figure 2: CV Page Design

## 0.2 Body

The first part of the code in body is Bootstrap navbar, which allows the user to navigate through different pages. The main part of the body is developed using bootstrap grids.
<nav class="navbar navbar-expand-lg bg-white">...< nav>.

The responsiveness has also been integrated in the grid codes.For example:
<div class="container">
<div class="cv">
<div class="row">
<div class="col-md-3">
In this code, the width of that part is three of the 12 columns while the page is equal or bigger than medium size. Inside the codes headings, paragraphs, lists, images, links and buttons have been used to create the different design elements.

## 0.3 Footer

This part consist of a contact button, email address and social media links that are accessible through icons. In general, the icons used in the HTML code are from Font Awesome library and Bootstrap.

# CSS

In the CSS page the styling of the pages is done. Most of the styling is by addressing the classes defined in the HTML code. Also, by the use of @media the styling for different view sizes is controlled (Figure 3). By the use of :root the primary and secondary colors of pages were defined.

# Conclusion

As explained in this report, various techniques and resources were used to develop this online portfolio. In the future, other sections such as question box or automatic chat can also be added to show different coding abilities.