**Lab Task:**

**Building a Responsive Portfolio Page**

**Objective**: The primary objective of this assignment is to develop a responsive portfolio webpage using Bootstrap, demonstrating your proficiency in using Bootstrap's components and responsive design principles to showcase your work effectively.

**Task Description:**Your task is to create a responsive portfolio webpage with the following components and features:

1. **Introduction Section:**Design an introduction section at the top of the webpage, which includes your name, a brief bio or tagline, and a professional profile picture.Use Bootstrap classes to center-align the content and make it visually appealing.
2. **Portfolio Showcase:**Create a section to showcase your portfolio projects.
3. **About Me Section:I**nclude an "About Me" section where you can provide more information about your background, skills, and interests.Use Bootstrap's typography and formatting classes to style this section.
4. **Contact Information:**Add a section with your contact information, including an email address and links to your social media profiles (e.g., LinkedIn, GitHub, Twitter).Use Bootstrap's button and badge components for social media links.
5. **Responsive Design:**Ensure that your portfolio webpage is fully responsive and adapts well to different screen sizes, including desktop, tablet, and mobile devices.Test the responsiveness and make any necessary adjustments using Bootstrap's responsive classes and grid system.
6. **Custom Styling:**Customize the colors, fonts, and overall styles of your portfolio page using Bootstrap's utility classes and your own CSS to create a unique and visually appealing design.

**Html Code:**

<html><head><title>Zunaisha Noor</title><meta charset="utf-8"><meta name="viewport" content="width=device-width, initial-scale=1"><link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css"><script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous"><link rel="stylesheet" href="styles.css"><script src="script.js"></script></head><body><nav class="navbar navbar-expand-lg fixed-top navbarScroll"><div class="container"><a class="navbar-brand" href="#">Zunaisha Noor Biet-f21-049</a><button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation"><span class="navbar-toggler-icon"></span></button><div class="collapse navbar-collapse" id="navbarSupportedContent"><ul class="navbar-nav ms-auto"><li class="nav-item active">

<a class="nav-link" href="#home">Home</a></li><li class="nav-item"><a class="nav-link" href="#about">About</a></li><li class="nav-item"><a class="nav-link" href="#services">Services</a></li><li class="nav-item"><a class="nav-link" href="#portfolio">Portfolio</a></li><li class="nav-item"><a class="nav-link" href="#contact">Contact</a></li></ul></div></div></nav> <section class="bgimage" id="home"><div class="container-fluid"><div class="row"><div class="col-lg-12 col-md-12 col-sm-12 col-xs-12 hero-text"><h2 class="hero\_title">Hi, it's me Zunaisha Noor</h2><p class="hero\_desc">I am Student in Superior University Lahore</p></div></div></div>

</section><section id="about"><div class="container mt-4 pt-4"><h1 class="text-center">About Me</h1><div class="row mt-4"><div class="col-lg-4"><img src="girl.jpeg" class= "imageAboutPage" alt=""></div><div class="col-lg-8"><p>Hello there! I'm Zunaisha Noor, a dedicated student at Superior University. I have a passion for tackling programming challenges and finding efficient solutions. </p><p>My expertise spans a range of languages and technologies, including C++, Python, Data Structures & Algorithms, Object-Oriented Programming, Django, Machine Learning, and Deep Learning.</p><p>This website is a showcase of my skills and serves as one of my HTML-only Web Development projects. It also serves as a resource for project ideas in various programming languages.</p><p>Thank you for taking the time to explore this site. It exists and thrives because of individuals like you who share an interest in technology and programming.</p><p>Cheers,<br><b>Superior University</b><div class="row mt-3"><div class="col-md-6"><ul><li>Name: Zunaisha Noor</li><li>Age: 19</li><li> Occupation: AI Engineer</li></ul></div><div class="col-md-6"><ul><li>Email: biet-f21-049@superior.edu.pk</li><li>Email: zunaisha044@gmail.com</li><li>github: ZunaishaNoor</li></ul></div></div><p> I'm Interested in Artificial Intelligence . I work as an AI Engineer</p></div></div></div></section><section id="services"><div class="container"><h1 class="text-center">Services</h1><div class="row"><div class="col-lg-4 mt-4"><div class="card servicesText"><div class="card-body"><i class="fas servicesIcon fa-clock"></i><h4 class="card-title mt-3">Machine Learning</h4>

<p class="card-text mt-3">Utilizing strong expertise in machine learning, I design and implement algorithms for tasks such as supervised and unsupervised learning, reinforcement learning, and deep learning, using popular libraries like TensorFlow and PyTorch.</p></div></div></div><div class="col-lg-4 mt-4"><div class="card servicesText" ><div class="card-body"><i class='fas servicesIcon fa-layer-group'></i><h4 class="card-title mt-3">Deep Learning</h4><p class="card-text mt-3">Specializing in deep neural networks, I excel in building, training, and optimizing models for tasks such as image recognition and natural language processing, leveraging the latest advancements in deep learning techniques.</p></div></div></div><div class="col-lg-4 mt-4"><div class="card servicesText"><div class="card-body"><i class='far servicesIcon fa-check-circle'></i>

<h4 class="card-title mt-3">Python Projects</h4><p class="card-text mt-3">Providing tailored solutions in Python, I specialize in web development, data analysis, and machine learning projects. With a focus on efficiency and scalability, I ensure clients receive customized solutions meeting specific project requirements.</p></div></div>

</div></div><div class="row"><div class="col-lg-4 mt-4"><div class="card servicesText">

<div class="card-body"><i class='fas servicesIcon fa-search'></i><h4 class="card-title mt-3">Data Science</h4><p class="card-text mt-3">Harnessing expertise in data science, I work with large datasets, employing techniques in data preprocessing, feature engineering, and data analysis. Proficient in tools like pandas, NumPy, and databases.</p></div></div></div><div class="col-lg-4 mt-4"><div class="card servicesText"><div class="card-body"><i class='fas servicesIcon fa-shield-alt'></i><h4 class="card-title mt-3">Natural Language Processing</h4><p class="card-text mt-3">Specializing in Natural Language Processing (NLP), I develop AI applications for language understanding, chatbots, language translation systems, and sentiment analysis, leveraging advanced NLP techniques and libraries.</p></div></div></div><div class="col-lg-4 mt-4"><div class="card servicesText"><div class="card-body"><i class='fas servicesIcon fa-wrench'></i><h4 class="card-title mt-3">Reinforcement Learning</h4>

<p class="card-text mt-3">Proficient in reinforcement learning principles, I design and implement models for making sequential decisions. Applied in areas such as robotics and game playing, ensuring optimal performance.</p></div></div></div><div class="col-lg-4 mt-4"><div class="card servicesText"><div class="card-body"><i class='fas servicesIcon fa-wrench'></i><h4 class="card-title mt-3">Algorithm Development</h4><p class="card-text mt-3">Specializing in algorithm development, I create and optimize algorithms tailored to specific tasks. This involves in-depth understanding of problem domains, algorithm selection, and parameter fine-tuning for optimal performance.</p></div></div> </div><div class="col-lg-4 mt-4"><div class="card servicesText"><div class="card-body">

<i class='fas servicesIcon fa-wrench'></i><h4 class="card-title mt-3">Computer Vision</h4><p class="card-text mt-3">Bringing expertise in computer vision, I specialize in tasks such as image recognition, object detection, and facial recognition. Proficient in vision libraries like OpenCV and advanced deep learning approaches in computer vision.</p></div></div></div></div></div></section><section id="portfolio"><div class="container mt-3"><h1 class="text-center">Portfolio</h1><div class="row"><div class="col-lg-4 mt-4"><div class="card portfolioContent">

<div class="card-body"><h4 class="card-title">Tic Tac Toe in C++</h4><p class="card-text">Classic Tic Tac Toe game implemented in C++.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent"><div class="card-body"><h4 class="card-title">Hostel Management System in C++</h4><p class="card-text">Object-oriented programming (OOP) based Hostel Management System implemented in C++.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div> </div><div class="col-lg-4 mt-4"><div class="card portfolioContent">

<div class="card-body"><h4 class="card-title">Customer Management System (Data Structures)</h4><p class="card-text">Customer Management System implemented using Data Structures.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a>

</div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent">

<div class="card-body"><h4 class="card-title">Arduino Volt LCD (AC and DC Voltage Measurement)</h4><p class="card-text">Arduino project for measuring AC and DC voltage using a Volt LCD display.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent"><div class="card-body"><h4 class="card-title">Application Management System (Database on Oracle 11g)</h4><p class="card-text">Application Management System with a database on Oracle 11g.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent"><div class="card-body"><h4 class="card-title">Social Media Management System (Database on Oracle 11g)</h4><p class="card-text">Social Media Management System with a database on Oracle 11g.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent"><div class="card-body"><h4 class="card-title">Educational Institution (Online Learning Platform) using ReactJs</h4><p class="card-text">Online learning platform developed using ReactJs for educational institutions.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent"><div class="card-body"><h4 class="card-title">CRM on Django Framework</h4>p class="card-text">Customer Relationship Management (CRM) system developed using the Django framework.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div> </div><div class="col-lg-4 mt-4"><div class="card portfolioContent"><div class="card-body"><h4 class="card-title">Email Spam Detection using Logistic Regression using Machine Learning</h4><p class="card-text">Email spam detection system implemented using Logistic Regression in Machine Learning.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent"><div class="card-body"><h4 class="card-title">Library Management System in Python</h4><p class="card-text">Library Management System implemented in Python.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent"><div class="card-body"><h4 class="card-title">Jarvis AI in Python</h4><p class="card-text">AI-powered virtual assistant (Jarvis) implemented in Python.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a></div>

</div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent">

<div class="card-body"><h4 class="card-title">Face Recognition using Keras Tensorflow</h4><p class="card-text">Face recognition system implemented using Keras and Tensorflow.</p><div class="text-center"><a href="#" class="btn btn-success">Link</a>

</div></div></div></div><div class="col-lg-4 mt-4"><div class="card portfolioContent">

<div class="card-body"><h4 class="card-title">Calculator using Python</h4><p class="card-text">Simple calculator implemented in Python.</p><div class="text-center">

<a href="#" class="btn btn-success">Link</a></div></div></div></div></section><section id="contact"><div class="container mt-3 contactContent"><h1 class="text-center">Contact Me</h1><div class="col-lg-6"><form><input type="text" class="form-control form-control-lg" placeholder="Name"><input type="email" class="form-control mt-3" placeholder="Email"><input type="text" class="form-control mt-3" placeholder="Subject">

<div class="mb-3 mt-3"><textarea class="form-control" rows="5" id="comment" name="text" placeholder="Project Details"></textarea></div></form><button type="button" class="btn btn-success mt-3">Contact Me</button></div></div></div></section><footer id="footer">

<div class="container-fluid"><div class="social-icons mt-4"><a href="https://www.facebook.com/" target="\_blank"><img src="facebook.png" alt="Facebook" ></a><a href="https://www.instagram.com/" target="\_blank"><img src="instagram.png" alt="Instagram"></a><a href="https://www.twitter.com/" target="\_blank"><img src=" twitter.png" alt="Twitter"></a><a href="https://www.linkedin.com/" target="\_blank"><img src="LinkedIn .png" alt="LinkedIn"></a><a href="https://www.twitch.tv/" target="\_blank"><img src="message .png" alt="Twitch"></a></div></div></footer></body></html>

CSS Code:

.navbar {background-color: #333; padding: 15px 0;}

.navbar-brand {font-size: 1.5rem; color: white; font-weight: bold;}

.navbar-nav {margin-left: auto;}

.navbar-nav .nav-item {margin-right:}

.navbar-nav .nav-link {color: white; font-size: larger; font-weight: bolder;}

.navbar-nav .nav-link:hover {color: #008000; }

.navbarDark {background-color: black !important;}

.bgimage {height:100vh;background: url('back.jpeg');background-size:cover;position:relative;}.hero\_title {font-size: 4.5rem;}.hero\_desc {font-size: 2rem;}.hero-text {text-align: center; position: absolute; top: 50%;left: 50%;transform: translate(-50%, -50%);color: white;}.imageAboutPage {width: 100%;}

.servicesText.card {height: 280px;cursor: pointer;}

.servicesIcon {font-size: 36px; text-align: center;width: 100%;}.card-title {text-align: center;}.card:hover .servicesIcon {color: #008000;}

.servicesText:hover {border: 1px solid #008000;}.navbarScroll.navbarDark {background-color: black;}.social-icons {font-size: 36px;cursor: pointer;}

.fa-facebook:hover,.fa-instagram:hover,.fa-twitter:hover,.fa-linkedin:hover, .fa-twitch:hover {color: #008000;}.fab {color: #000000;}

#footer {background-color: white; text-align: center;}

#about, #services, #portfolio, #contact {margin-top: 4rem; padding-top: 4rem;}

#contact {padding-bottom: 4rem;}

**Javascript Code**:

const header = document.querySelector('.navbar');

window.onscroll = function() {var top = window.scrollY;

    if(top >=100) {header.classList.add('navbarDark');}

    else { header.classList.remove('navbarDark');}}



    