**INDUSTRIAL TRAINING PROJECT REPORT**

**ON**

**Web development Internship from PRODIGY INFOTECH**

**Submitted by: RAUL JOSHI**

**ROLL NO : 23/SCA/BCA(CS)/030**

**Under the Guidance of Ms. AASTHA BUDHIRAJA**

**In partial fulfillment for the award of the degree of**

**BACHELOR OF COMPUTER APPLICATIO****N**

**MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND**

**STUDIES, Faridabad**

**NAAC ACCREDITED ‘A++’ GRADE**

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**Declaration**

**I hereby declare that this project report entitled “Web development internship from PRODIGY INFOTECH ” by RAHUL JOSHI 23/SCA/BCA(CS)/030, being submitted in partial fulfillment of the requirements for the degree of BACHELOR OF COMPUTER APPLICATION under School of Engineering & Technology of Manav Rachna International Institute of Research and Studies, Faridabad, during the academic year June-July, 2025, is a bonafide record of our original work carried out under guidance and supervision of Ms.Aastha budhiraja , CSE and has not been presented elsewhere.**

**RAHUL JOSHI 23/SCA/BCA(CS)/030**

**Certificate**

**This is to certify that this project report entitled “Web Devlopment Internship “by RAHUL JOSHI 23/SCA/BCA(CS)/030 submitted in partial fulfillment of the requirements for the degree of BACHELOR OF COMPUTER APPLICATION under Manav Rachna International Institute of Research and Studies Faridabad, during the academic year June-July 2025, is a record of work carried out under my guidance and supervision.**

**Offer letter certificate**

****

**Internship completion Certificate**



**Projects :**

**Portfolio**

**Code:-**

**HTML**

@import url('https://fonts.googleapis.com/css2?family=Poppins&family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&display=swap');

\*{

    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: 'Poppins', sans-serif;

}

body{

    width: 100%;

    height: 100vh;

    display: flex;

    justify-content: center;

    align-items: center;

    background: linear-gradient(45deg,#0a0a0a,#3a4452);

}

.calculator{

    border: 1px solid #717377;

    padding: 20 px;

    border-radius: 16px;

    background: black;

    box-shadow: 0px 3px 15px rgba(113,115,119,0.5);

}

input{

    width: 320px;

    border: none;

    padding: 24px;

    margin: 10px;

    background: transparent;

    box-shadow: 0px 3px 15px rgbs(84,84,84,0.1);

    font-size: 40px;

    text-align: right;

    cursor: pointer;

    color: #ffffff;

}

input::placeholder{

    color: #ffffff;

}

button {

    border: none;

    width: 60px;

    height: 60px;

    margin: 10px;

    border-radius: 50%;

    background: #393a3b;

    color: darkgray;

    font-size: 20px;

    box-shadow: -8px -8px 15px rgba(255, 255, 255, 0.1);

    cursor: pointer;

    font-weight: bold;

}

.equalBtn{

    background-color: #fb7c14;

}

**CSS**

*/\*=============== GOOGLE FONTS ===============\*/*

@import url("https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600&display=swap");

*/\*=============== Css Main ===============\*/*

\*{

    padding: 0;

    margin: 0;

    box-sizing: border-box;

    list-style: none;

    text-decoration: none;

    scroll-behavior: smooth;

}

:root{

    --text-color: #f5f5f5;

    --hover-color: #12f7ff;

    --bg-color:#250821;

    --secon-bg-color:#292e33;

    --big-font:2.5rem;

    --normal-font:2rem;

    --neon-box-shadow: 0 0 .5rem #12f7ff;

    --h2-font:3rem;

    --font-neon-text-shadow: 0 0 10px rgba(18, 247, 255, 0.3),

    0 0 20px rgba(18, 247, 255, 0.3),

    0 0 30px rgba(18, 247, 255, 0.3),

    0 0 40px rgba(18, 247, 255, 0.3),

    0 0 70px rgba(18, 247, 255, 0.3),

    0 0 80px rgba(18, 247, 255, 0.3),

    0 0 100px rgba(18, 247, 255, 0.3),

    0 0 150px rgba(18, 247, 255, 0.3);

}

::-webkit-scrollbar{

    height: 0;

    width: .5rem;

}

::-webkit-scrollbar-track{

    background: var(--secon-bg-color);

}

::-webkit-scrollbar-thumb{

    background: var(--hover-color);

    border-radius: 5rem;

}

*/\*=============== Body Css ===============\*/*

body{

    font-family: "Poppins", sans-serif;

    background-color: var(--bg-color);

    color: var(--text-color);

}

header{

    position: fixed;

    top: 0;

    left: 0;

    z-index: 1000;

    border-bottom: 1px solid transparent;

    display: flex;

    align-items: center;

    justify-content: space-between;

    width: 100%;

    padding: 20px 10%;

}

header.sticky{

    background: var(--bg-color);

    border-bottom: 1px solid var(--secon-bg-color);

    padding: 12px 10%;

}

.logo{

    font-size: 26px;

    font-weight: 700;

    letter-spacing: 1px;

}

span{

    color: var(--hover-color);

}

.navlist{

    display: flex;

}

.navlist a{

    display: inline-block;

    color: var(--text-color);

    font-weight: 500;

    padding: 10px 20px;

    animation: slideAnimation 1s ease forwards;

    animation-delay: calc(.3s \* var(--i));

    opacity: 0;

}

.navlist a:hover{

    color: var(--hover-color);

    text-shadow: 0 0 10px rgba(18, 247, 255, 0.6),

    0 0 20px rgba(18, 247, 255, 0.6),

    0 0 30px rgba(18, 247, 255, 0.6),

    0 0 40px rgba(18, 247, 255, 0.6),

    0 0 70px rgba(18, 247, 255, 0.6),

    0 0 80px rgba(18, 247, 255, 0.6),

    0 0 100px rgba(18, 247, 255, 0.6),

    0 0 150px rgba(18, 247, 255, 0.6);

}

.navlist a.active{

    color: var(--hover-color);

}

#menu-icon{

    font-size: 1.8rem;

    z-index: 10001;

    cursor: pointer;

    margin-left: 25px;

    background-color: var(--hover-color);

    border-radius: 3px;

    color: var(--secon-bg-color);

    display: none;

}

section{

    padding: 100px 10%;

}

.home{

    min-height: 100vh;

    height: 100%;

    width: 100%;

    display: grid;

    grid-template-columns: repeat(2,1fr);

    align-items: center;

    grid-gap:4em;

}

.home-content{

    max-width: 600px;

}

.home-content h1{

    font-size: var(--big-font);

    font-weight: 700;

}

.change-text{

    font-size: 1.5rem;

    font-weight: 600;

}

.change-text h3{

    display: inline-flex;

    margin: 0;

    vertical-align: top;

}

.change-text h3 .word{

    position: absolute;

    display: flex;

    opacity: 0;

}

.change-text h3 .word .letter{

    transform-origin: center center 25px;

}

.change-text h3 .word .letter.out{

    transform: rotateX(90deg);

    transition: 0.32s cubic-bezier(0.6,0,0.7,0.2);

}

.change-text h3 .word .letter.in{

    transition: 0.38s ease;

}

.change-text h3 .word .letter.behind{

    transform: rotateX(-90deg);

}

.home-content p{

    color: #bdbdbd;

    line-height: 1.6;

}

.info-box{

    display: inline-flex;

    justify-content: space-between;

    align-items: center;

    width: 300px;

    margin: 1rem 0 2rem;

}

.info-box h5{

    font-weight: 600;

    color: var(--text-color);

    font-size: 1rem;

}

.info-box span{

    font-size: .9rem;

    color: #bdbdbd;

}

.btn-box{

    display: flex;

    justify-content: space-between;

    width: 320px;

    height: 45px;

}

.btn-box .btn{

    display: inline-flex;

    justify-content: center;

    align-items: center;

    width: 150px;

    height: 100%;

    background: var(--hover-color);

    color: var(--bg-color);

    font-size: 1rem;

    letter-spacing: 1px;

    font-weight: 600;

    transition: .6s;

    box-shadow: var(--neon-box-shadow);

    border-radius: 5px;

    position: relative;

    overflow: hidden;

    z-index: 1;

    border: 2px solid var(--hover-color);

}

.btn::before{

    content: "";

    position: absolute;

    top: 0;

    left: 0;

    background: var(--bg-color);

    width: 0;

    height: 100%;

    z-index: -1;

    transition: .4s;

}

.btn:hover{

    color: var(--hover-color);

}

.btn:hover::before{

    width: 100%;

}

.btn:nth-child(2){

    background: var(--bg-color);

    color: var(--hover-color);

}

.btn:nth-child(2):hover{

    color: var(--bg-color);

}

.btn:nth-child(2)::before{

    background: var(--hover-color);

}

.social-icons{

    margin-top: 8rem;

    display: flex;

    justify-content: space-between;

    width: 220px;

    height: 40px;

}

.social-icons a{

    display: inline-flex;

    width: 50px;

    height: 100%;

    justify-content: center;

    align-items: center;

    background: var(--bg-color);

    color: var(--hover-color);

    border: 2px solid var(--hover-color);

    transition: .6s;

    box-shadow: 0 0 0.3rem #12f7ff;

    border-radius: 5px;

    position: relative;

    z-index: 1;

    overflow: hidden;

}

.social-icons a i{

    font-size: 1.5rem;

}

.social-icons a:hover{

    color: var(--bg-color);

}

.social-icons a::before{

    content: "";

    position: absolute;

    left: 0;

    top: 0;

    width: 0;

    height: 100%;

    background: var(--hover-color);

    transition: .6s;

    z-index: -1;

}

.social-icons a:hover:before{

    width: 100%;

}

.home-image{

    position: relative;

}

.img-box{

    text-align: center;

}

.img-box img{

    width: 100%;

    max-width: 450px;

    height: auto;

}

.liquid-shape{

    position: absolute;

    width: 100%;

    height: 100%;

    z-index: -1;

    top: 10%;

}

.liquid-shape:nth-child(2){

    filter: blur(50px);

}

*/\*=============== About Section ===============\*/*

.about{

    display: flex;

    justify-content: center;

    align-items: center;

    grid-gap:2em;

    background: var(--secon-bg-color);

}

.about .img-about{

    text-align: center;

    position: relative;

}

.about .img-about img{

    max-width: 400px;

    height: auto;

}

.about-content span{

    color: #fdfdfd;

    font-size: .8rem;

    font-weight: 200;

    letter-spacing: 2px;

    text-transform: uppercase;

}

.about-content h2{

    color: var(--hover-color);

    font-weight: 700;

    font-size: var(--normal-font);

}

.about-content h3{

    font-weight: 600;

    font-size: 1.5rem;

    margin-bottom: .2rem;

}

.about-content p{

    color: #fdfdfd;

    font-weight: 300;

    margin-bottom: 1.5rem;

}

.info-about1,

.info-about2,

.info-about3{

    background: var(--bg-color);

    font-size: .5rem;

    position: absolute;

    padding: 10px;

    width: 90px;

    height: 90px;

    border-radius: 69% 31% 66% 34% / 21% 30% 70% 79%;

    display: block;

    box-shadow: var(--neon-box-shadow);

    border: 1px solid var(--hover-color);

    outline: 2px solid var(--bg-color);

    z-index: 100;

    animation: morph 6s linear infinite;

}

.info-about1{

    left: 10%;

    top: 34%;

}

.info-about2{

    left: 66%;

    top: 15%;

}

.info-about3{

    left: 61%;

    top: 70%;

}

.img-about span{

    color: var(--hover-color);

    font-size: 1rem;

    font-weight: 600;

}

@keyframes morph{

    0%,

    100%{

        border-radius: 40% 60% 70% 30% / 40% 40% 60% 50%;

    }

    30%{

        border-radius: 70% 30% 50% 50% / 30% 30% 70% 70%;

    }

    60%{

        border-radius: 100% 60% 60% 100% / 100% 100% 60% 60%;

    }

    80%{

        border-radius: 69% 31% 66% 34% / 21% 30% 70% 79%;

    }

}

*/\*=============== Services Section ===============\*/*

.main-text{

    width: 100%;

    text-align: center;

    margin-bottom: 2rem;

    color: var(--hover-color);

}

.main-text h2{

    font-weight: 700;

    font-size: var(--normal-font);

}

.main-text span{

    color: #fdfdfd;

    font-size: .8rem;

    font-weight: 200;

    letter-spacing: 2px;

    text-transform: uppercase;

}

.section-services{

    display: flex;

    justify-content: center;

    align-items: center;

    flex-wrap: wrap;

    grid-gap:2rem;

}

.section-services .service-box{

    flex: 1 1 18rem;

    padding: 2rem 1rem 2rem;

    text-align: center;

    background: var(--secon-bg-color);

    transition: transform .4s;

    border-radius: 10px;

}

.service-btn{

    width: auto;

    justify-content: center;

}

.service-box:hover{

    transform: translateY(-.7rem);

}

.service-icon{

    border: 2px solid var(--hover-color);

    padding: 2rem;

    background: var(--bg-color);

    display: flex;

    align-items: center;

    font-size: 3rem;

    border-radius: 50%;

    position: relative;

    color: var(--hover-color);

    box-shadow: var(--neon-box-shadow);

    outline: 2px solid var(--bg-color);

}

.service-box h3{

    margin-top: 10px;

    font-size: 1.5rem;

}

.service-box p{

    margin: .5rem 0 1.5rem 0;

    font-weight: 300;

    letter-spacing: 1px;

    color: #bdbdbd;

    line-height: 1.6;

}

*/\*=============== Skills Section ===============\*/*

.skills{

    background: var(--secon-bg-color);

}

.skill-main{

    width: 100%;

    display: grid;

    grid-template-columns: repeat(2,1fr);

    grid-row-gap:30px;

    grid-column-gap: 50px;

}

.skill-bar{

    margin-bottom: 2.3rem;

}

.skill-main h3{

    margin-bottom: 2rem;

    font-size: var(--normal-font);

    text-align: center;

}

.skill-left .skill-bar .info{

    display: flex;

    justify-content: space-between;

    align-items: center;

    padding: 0 10px;

}

.skill-left .skill-bar .bar{

    width: 100%;

    height: 10px;

    background-color: var(--bg-color);

    border-radius: 25px;

    margin-top: 10px;

    position: relative;

}

.skill-left .bar span{

    width: 50%;

    height: 100%;

    position: absolute;

    left: 0;

    background: var(--hover-color);

    border-radius: 25px;

    box-shadow: var(--neon-box-shadow);

}

.skill-bar .bar .html{

    width: 72%;

    animation: html 2s;

}

.skill-bar .bar .figma{

    width: 90%;

    animation: figma 3s;

}

.skill-bar .bar .javascript{

    width: 80%;

    animation: javascript 4s;

}

.skill-bar .bar .css{

    width: 85%;

    animation: css 5s;

}

@keyframes html{

    0%{

        width: 0%;

    }

    100%{

        width: 72%;

    }

}

@keyframes figma{

    0%{

        width: 0%;

    }

    100%{

        width: 90%;

    }

}

@keyframes javascript{

    0%{

        width: 0%;

    }

    100%{

        width: 80%;

    }

}

@keyframes css{

    0%{

        width: 0%;

    }

    100%{

        width: 62%;

    }

}

*/\*=============== Skills right ===============\*/*

.professional{

    display: grid;

    grid-template-columns: 1fr 1fr;

}

.box{

    position: relative;

    margin: 10px 0;

    flex: 1 1 15rem;

}

.box .text{

    text-align: center;

    color: #fff;

    font-size: 1rem;

}

.box .text big{

    font: 400;

    letter-spacing: 1px;

    position: absolute;

    top: 40%;

    left: 50%;

    transform: translate(-50%, -50%);

}

.box .text small{

    display: block;

    font-weight: 600;

}

.circle{

    width: 100%;

    height: 120px;

    display: flex;

    justify-content: center;

    align-items: center;

}

.circle .points{

    width: 2px;

    height: 10px;

    background-color: var(--bg-color);

    position: absolute;

    border-radius: 3px;

    transform: rotate(calc(var(--i)\*var(--rot))) translateY(-45px);

}

.points.marked{

    animation: glow 0.04s linear forwards;

    animation-delay: calc(var(--i)\*0.05s);

}

@keyframes glow{

    0%{

        background: var(--bg-color);

        box-shadow: none;

    }

    100%{

        background: var(--hover-color);

        box-shadow: var(--neon-box-shadow);

    }

}

@keyframes slideAnimation{

    0%{

        opacity: 0;

        transform: translateY(100px);

    }

    100%{

        opacity: 1;

        transform: translateY(0);

    }

}

*/\*=============== Portfolio Section ===============\*/*

.fillter-buttons{

    margin: 2rem;

    text-align: center;

}

.fillter-buttons .button{

    background: none;

    outline: none;

    border: none;

    cursor: pointer;

    font-size: .85rem;

    font-weight: 600;

    letter-spacing: .4px;

    margin-left: 1.3rem;

    color: var(--text-color);

}

.fillter-buttons .button:hover{

    color: var(--hover-color);

}

.portfolio-gallery{

    display: flex;

    grid-template-columns: repeat(auto-fill, minmax(270px, 1fr));

    gap: 2rem;

    align-items: center;

}

.port-box{

    position: relative;

    border-radius: 15px;

    overflow: hidden;

    background: #292e33;

    display: flex;

    grid-template-rows: 1fr auto;

    align-items: center;

    border: 2px solid var(--hover-color);

    box-shadow: var(--neon-box-shadow);

}

.port-image{

    display: flex;

    align-items: center;

    justify-content: center;

    height: 100%;

    width: 100%;

}

.port-image img{

    width: 100%;

    opacity: .5s;

    height: 100%;

    transition: .5s;

}

.port-content{

    position: absolute;

    bottom: 0;

    left: 0;

    width: 100%;

    height: 100%;

    opacity: 0;

    background: linear-gradient(rgba(0, 0, 0, .2), #12f7ff);

    display: flex;

    align-items: center;

    justify-content: center;

    flex-direction: column;

    text-align: center;

    transition: 0.5s;

    padding: 0 2rem;

}

.port-box:hover .port-content{

    opacity: 1;

}

.port-box:hover .port-image img{

    transform: scale(1.1);

}

.port-content h3{

    font-size: 1.5rem;

    font-weight: 600;

}

.port-content p{

    font-size: .8rem;

    margin: 5px 0 15px 0;

}

.port-content a{

    background: #fff;

    border-radius: 50%;

    display: inline-flex;

    justify-content: center;

    align-items: center;

    width: 50px;

    height: 50px;

    border: 1px solid var(--hover-color);

    outline: 2px solid #fff;

}

.port-content a i{

    font-size: 1.3rem;

    color: var(--secon-bg-color);

}

*/\*=============== Contact Section ===============\*/*

.contact{

    background: var(--secon-bg-color);

    width: 100%;

}

.contact form{

    text-align: center;

    max-width: 50rem;

    margin: 1rem auto;

    margin-bottom: 3rem;

}

.contact form input,

.contact form textarea{

    width: 100%;

    color: var(--text-color);

    background: var(--bg-color);

    margin-bottom: .8rem;

    border: none;

    border-radius: 5px;

    padding: .7rem;

}

.contact form textarea{

    resize: none;

}

.formBtn{

    display: flex;

    justify-content: center;

    width: 100%;

}

.formBtn .btn{

    cursor: pointer;

    font-size: 1rem;

}

*/\*=============== Footer Section ===============\*/*

footer{

    padding: 1.5rem 10%;

    display: flex;

    align-items: center;

    justify-content: space-between;

}

footer p{

    color: #bdbdbd;

}

footer a{

    display: inline-flex;

    justify-content: center;

    color: var(--text-color);

    background: var(--hover-color);

    padding: .6rem;

    border-radius: 5px;

}

footer a i{

    font-size: 1rem;

    color: var(--secon-bg-color);

}

*/\*=============== Break Point ===============\*/*

@media(max-width:991px){

    header,

    header.sticky{

        padding: 15px 5%;

    }

    footer{

        padding: 15px 5%;

    }

    section{

        padding: 50px 5%;

    }

    .navlist a{

        padding: 8px 15px;

    }

    :root{

        --big-font:2.2rem;

        --normal-font:1.8rem;

        --neon-box-shadow: 0 0 .8rem #12f7ff;

        --h2-font:3rem;

    }

    .home-content{

        margin-top: 5rem;

    }

    .social-icons{

        margin-top: 2rem;

    }

}

@media(max-width:768px){

    #menu-icon{

        display: block;

        transition: all .4s ease;

    }

    #menu-icon.bx-x{

        transform: rotate(-180deg);

    }

    .navlist{

        display: flex;

        position: absolute;

        top: -1000px;

        right: 0;

        left: 0;

        flex-direction: column;

        background: var(--bg-color);

        text-align: left;

        padding: 0 5%;

        transition: all .45s ease;

    }

    .navlist a{

        display: block;

        padding-bottom: 1rem;

        font-size: 1rem;

    }

    .navlist.open{

        top: 100%;

    }

    .home{

        grid-template-columns: 1fr;

    }

    .home-image{

        margin-bottom: 5rem;

    }

    .liquid-shape{

        width: 80%;

        left: 10%;

        top: 13%;

    }

    .about{

        flex-direction: column-reverse;

    }

    .skill-main{

        grid-template-columns: 1fr;

    }

    .fillter-buttons{

        margin: 2.5rem 0;

    }

    footer p{

        font-size: .8rem;

    }

}

@media(max-width:420px){

    html{

        font-size: 80%;

    }

    footer p{

        font-size: .6rem;

    }

    .fillter-buttons .buttton{

        font-size: .8rem;

    }

    .img-about img{

        width: 300px;

    }

    .info-about1,.info-about2,.info-about3{

        display: none;

    }

    .img-about p{

        font-size: 1rem;

    }

}

*/\*=============== parallax ===============\*/*

.scroll-scale{

    opacity: 0;

    transform: scale(.9);

    transition: all 2s;

}

.scroll-bottom{

    opacity: 0;

    transform: translateY(300px);

    transition: 3s;

}

.scroll-top{

    opacity: 0;

    transform: translateY(-300px);

    transition: 3s;

}

.show-items{

    opacity: 1;

    transform: translateX(0);

}

.underlined-image {

    display: inline-block; */\* Ensures the image is treated as a block element for better control \*/*

    border-bottom: 2px solid rgb(56, 53, 53); */\* Adds an underline \*/*

    padding-bottom: 0; */\* Adds space between the image and the underline \*/*

}

**JAVA SCRIPT**

*// Change Text IN header Change text*

let words = document.querySelectorAll(".word");

words.forEach((word)=>{

    let letters = word.textContent.split("");

    word.textContent="";

    letters.forEach((letter)=>{

        let span = document.createElement("span");

        span.textContent = letter;

        span.className = "letter";

        word.append(span);

    });

});

let currentWordIndex = 0;

let maxWordIndex = words.length -1;

words[currentWordIndex].style.opacity = "1";

let changeText = () =>{

    let currentWord = words[currentWordIndex];

    let nextword = currentWordIndex == maxWordIndex ? words[0] : words[currentWordIndex + 1];

    Array.from(currentWord.children).forEach((letter,i)=>{

        setTimeout(()=>{

            letter.className = "letter out";

        }, i \* 80);

    });

    nextword.style.opacity="1";

    Array.from(nextword.children).forEach((letter, i)=>{

        letter.className = "letter behind";

        setTimeout(()=>{

            letter.className = "letter in";

        }, 340 + i \* 80);

    });

    currentWordIndex = currentWordIndex == maxWordIndex ? 0 : currentWordIndex + 1;

}

changeText();

setInterval(changeText,3000)

*// Circle Skills*

const circles = document.querySelectorAll('.circle');

circles.forEach(elem=>{

    var dots = elem.getAttribute("data-dots");

    var marked  = elem.getAttribute("data-percent");

    var percent = Math.floor(dots\*marked/100);

    var points = "";

    var rotate = 360 / dots;

    for(let i=0 ; i < dots ; i++){

        points += `<div class="points" style="--i:${i}; --rot:${rotate}deg"></div>`

    }

    elem.innerHTML=points;

    const pointsMarked = elem.querySelectorAll('.points');

    for(let i = 0; i < percent ; i++){

        pointsMarked[i].classList.add('marked')

    }

})

var mixer = mixitup('.portfolio-gallery');

*// Active Menu*

let menuLi = document.querySelectorAll('header ul li a');

let section = document.querySelectorAll('section');

function activeMenu(){

    let len = section.length;

    while(--len && window.scrollY + 97 < section[len].offsetTop){}

    menuLi.forEach(sec => sec.classList.remove("active"));

    menuLi[len].classList.add("active");

}

activeMenu();

window.addEventListener("scroll", activeMenu);

*// Sticky Navbar*

const header = document.querySelector("header");

window.addEventListener("scroll", function() {

    header.classList.toggle("sticky", window.scrollY > 50);

});

*// Toggle Icon Navbar*

let menuIcon = document.querySelector("#menu-icon");

let navlist = document.querySelector(".navlist");

menuIcon.onclick = ()=>{

    menuIcon.classList.toggle("bx-x");

    navlist.classList.toggle("open");

}

window.onscroll = ()=>{

    menuIcon.classList.remove("bx-x");

    navlist.classList.remove("open");

}

*// Parallx*

const observer = new IntersectionObserver((entries)=>{

    entries.forEach((entry)=>{

        if(entry.isIntersecting){

            entry.target.classList.add("show-items");

        }else{

            entry.target.classList.remove("show-items");

        }

    });

});

const scrollScale = document.querySelectorAll(".scroll-scale");

scrollScale.forEach((el)=>observer.observe(el));

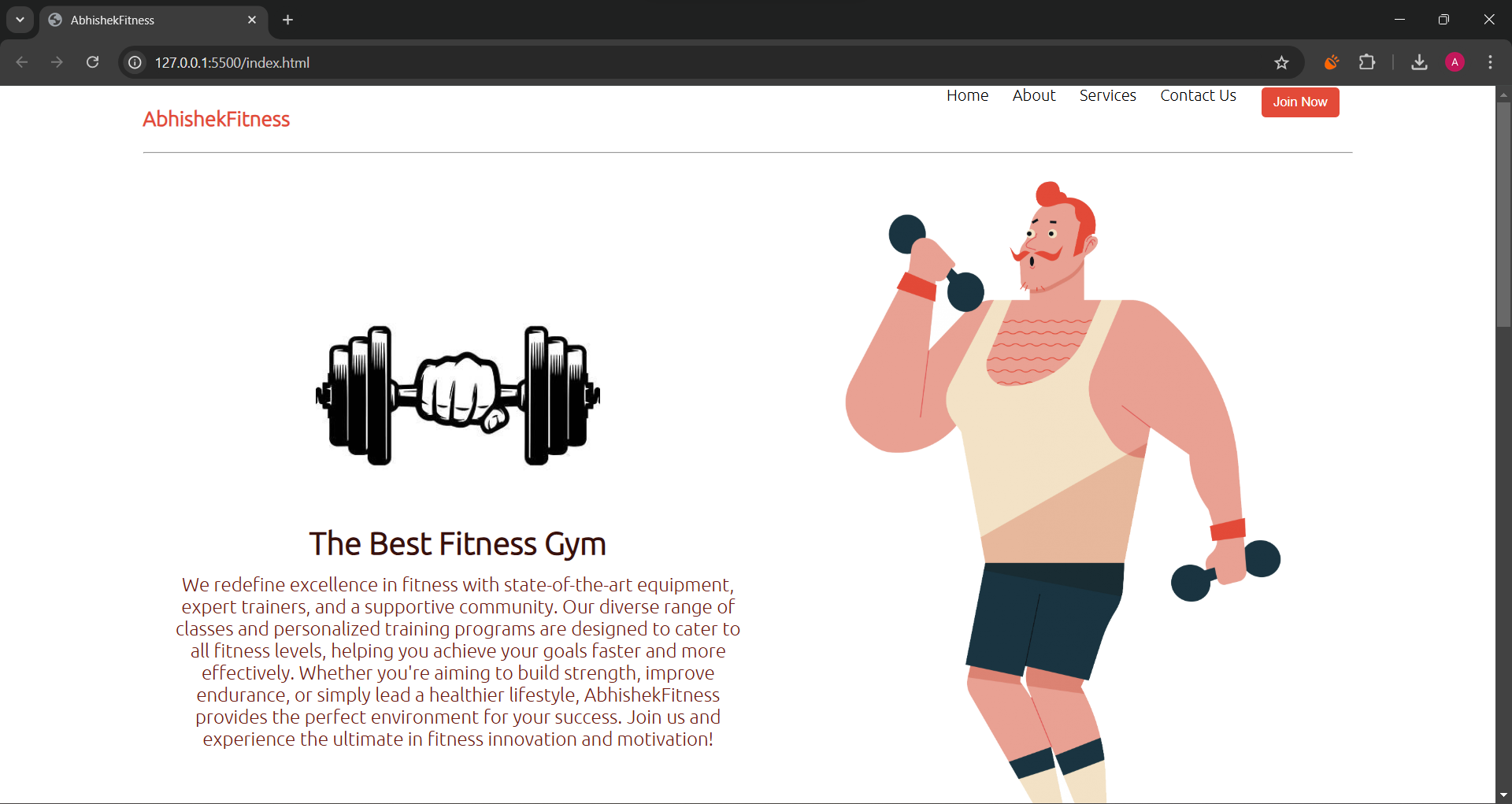
const scrollBottom = document.querySelectorAll(".scroll-bottom");

scrollBottom.forEach((el)=>observer.observe(el));

const scrollTop = document.querySelectorAll(".scroll-top");

scrollTop.forEach((el)=>observer.observe(el));

**2.GYM Landing Page**



**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>AbhishekFitness</title>

    <link rel="stylesheet" href="style.css">

    <link rel="stylesheet" href="utils.css">

</head>

<body class="overflow-x-hidden">

    <div class="container mx-auto ">

        <header>

            <nav class="flex justify-between">

                <div class="logo font-bold flex items-center text-blue">AbhishekFitness</div>

                <ul class="navbar flex item-center">

                    <li>Home</li>

                    <li>About</li>

                    <li>Services</li>

                    <li>Contact Us</li>

                    <li><button class="btn">Join Now</button></li>

                </ul>

            </nav>

            <hr>

        </header>

        <main class="min-h-screen ">

            <section class="section1">

                <div class="flex">

                    <div class="topleft flex flex-col justify-center px-2">

                        <div class="text-center">

                            <img class="dumbellimg" src="dumbell.png" alt="">

                        </div>

                        <h1 class="my-1 text-center">The Best Fitness Gym</h1>

                        <p class="text-center">We redefine excellence in fitness with state-of-the-art equipment, expert

                            trainers, and a supportive community. Our diverse range of classes and personalized training

                            programs are designed to cater to all fitness levels, helping you achieve your goals faster

                            and more effectively. Whether you're aiming to build strength, improve endurance, or simply

                            lead a healthier lifestyle, AbhishekFitness provides the perfect environment for your

                            success.

                            Join us and experience the ultimate in fitness innovation and motivation!</p>

                    </div>

                    <div class="topright flex justify-center">

                        <img class="gymimg" src="gym.png" alt="">

                    </div>

                </div>

            </section>

            <hr>

            <section class="section2">

                <h1 class="text-center my-2">Pricing</h1>

                <p class="my-2">Experience our gym with a 7-day Free Trial. Enjoy access to basic facilities and

                    introductory classes to get a feel for what we offer. Unlock the full potential of your workouts

                    with our Pro Membership. This plan includes unlimited access to all gym facilities, group classes,

                    and specialized workshops. For those seeking the ultimate fitness experience, our Enterprise

                    Membership offers everything in the Pro plan plus exclusive perks.</p>

                <div class="boxes flex justify-center">

                    <div class="box">

                        <h2>Free</h2>

                        <ul>

                            <li class="highlighted">₹0/month</li>

                            <li>0 users included</li>

                            <li>2 GB of storage</li>

                            <li>Email support</li>

                            <li>Help center access</li>

                            <li><button class="btn">Signup Now</button></li>

                        </ul>

                    </div>

                    <div class="box">

                        <h2>Pro</h2>

                        <ul>

                            <li class="highlighted">₹1500/month</li>

                            <li>0 users included</li>

                            <li>2 GB of storage</li>

                            <li>Email support</li>

                            <li>Help center access</li>

                            <li><button class="btn">Signup Now</button></li>

                        </ul>

                    </div>

                    <div class="box">

                        <h2>Enterprise</h2>

                        <ul>

                            <li class="highlighted">₹2500/month</li>

                            <li>0 users included</li>

                            <li>2 GB of storage</li>

                            <li>Email support</li>

                            <li>Help center access</li>

                            <li><button class="btn">Signup Now</button></li>

                        </ul>

                    </div>

                </div>

            </section>

            <hr>

            <section class="section3">

                <h1 class="text-center my-2">Compare Plans</h1>

                <div class="container plantable">

                    <table class="table text-center">

                        <thead>

                            <tr>

                                <th></th>

                                <th>Free</th>

                                <th>Pro</th>

                                <th>Enterprise</th>

                            </tr>

                        </thead>

                        <tbody>

                            <tr>

                                <th scope="row" class="text-start">Public</th>

                                <td>Yes</svg></td>

                                <td>Yes</svg></td>

                                <td>Yes</svg></td>

                            </tr>

                            <tr>

                                <th scope="row" class="text-start">Private</th>

                                <td>-</td>

                                <td>Yes</svg></td>

                                <td>Yes</svg></td>

                            </tr>

                        </tbody>

                        <tbody>

                            <tr>

                                <th scope="row" class="text-start">Permissions</th>

                                <td>Yes</svg></td>

                                <td>Yes</svg></td>

                                <td>Yes</svg></td>

                            </tr>

                            <tr>

                                <th scope="row" class="text-start">Sharing</th>

                                <td>-</td>

                                <td>Yes</svg></td>

                                <td>Yes</svg></td>

                            </tr>

                            <tr>

                                <th scope="row" class="text-start">Unlimited members</th>

                                <td>-</td>

                                <td>Yes</svg></td>

                                <td>Yes</svg></td>

                            </tr>

                            <tr>

                                <th scope="row" class="text-start">Extra security</th>

                                <td>-</td>

                                <td>-</td>

                                <td>Yes</svg></td>

                            </tr>

                        </tbody>

                    </table>

            </section>

            <hr>

        </main>

        <footer>

            Copyright &copy; AbhishekFitness.com | All Rights Reserved

        </footer>

    </div>

</body>

</html>

**CSS**

@import url('https://fonts.googleapis.com/css2?family=Ubuntu:wght@300&display=swap');

\*{

    margin: 0;

    padding: 0;

}

.container{

    max-width: 80vw;

    font-family: "Ubuntu", sans-serif;

}

.navbar{

    display: flex;

    height: 67px;

}

.navbar li{

    list-style: none;

    margin: 0 12px;

}

.topleft{

    width: 50%;

}

.topright{

    width: 50%;

}

.section1{

    max-height: 100vh;

    color: #711e15;

}

.section1 h1{

    font-size: 2rem;

    color: #37110d;

}

.section1 p{

    font-size: 1.2rem;

}

.logo{

    font-size: 1.3rem;

}

.dumbellimg{

    width: 289px;

}

.topright .gymimg{

    width: 466px;

}

.section2{

    padding: 73px;

}

.section2 h1{

    font-size: 2.3rem;

}

.section2 p{

    padding: 0 8vw;

    text-align: center;

}

.box{

    padding: 8px 0;

    margin: 12px 22px;

    min-width: 20vw;

    border: 2px solid rgb(120, 54, 16);

    border-radius: 8px;

    text-align: center;

}

.box h2{

    font-size: 2rem;

    padding: 15px 0;

}

.highlighted{

    font-size: 1.2rem;

    font-weight: bolder;

}

.box ul{

    list-style-type: none;

}

.box ul li{

    margin: 12px 2px;

}

.plantable{

    display: flex;

    justify-content: center;

    align-items: center;

}

.section3 table{

    width: 100%;

    margin-bottom: 140px;

    margin-top: 20px;

    border-collapse: collapse;

}

.section3 table th{

    width: 23vw;

    border-bottom: 2px solid black;

    padding: 15px 0;

}

.section3 table td{

    border-bottom: 2px solid black;

}

.section3 h1{

    font-size: 2.3rem;

}

.section3{

    padding: 73px;

}

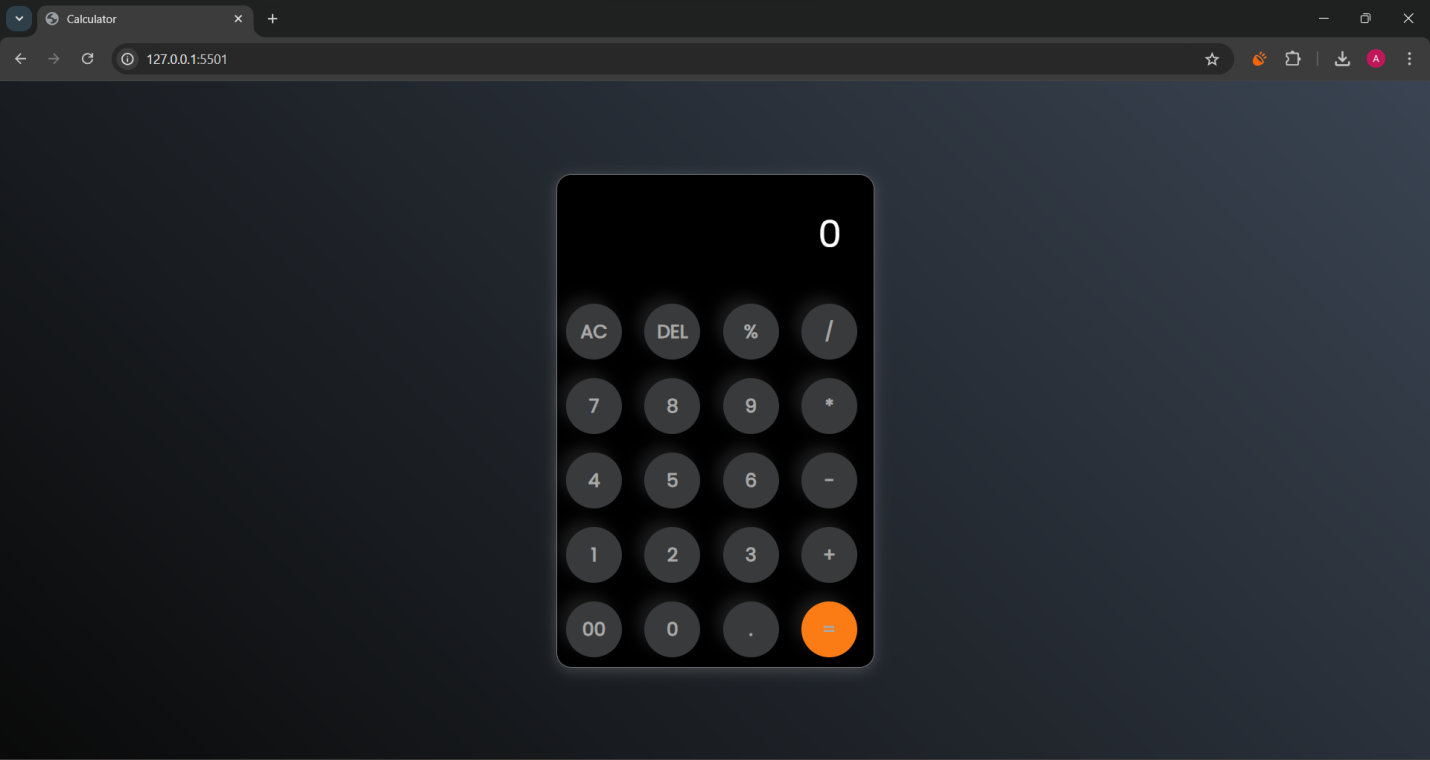
footer{

    padding: 23px;

    text-align: center;

}

**3.Calculator**



**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="style.css">

    <title>Calculator</title>

</head>

<body>

      <div class="calculator">

        <input type="text" placeholder="0" id="inputBox">

        <div>

            <button>AC</button>

            <button>DEL</button>

            <button>%</button>

            <button>/</button>

        </div>

        <div>

            <button>7</button>

            <button>8</button>

            <button>9</button>

            <button>\*</button>

        </div>

        <div>

            <button>4</button>

            <button>5</button>

            <button>6</button>

            <button>-</button>

        </div>

        <div>

            <button>1</button>

            <button>2</button>

            <button>3</button>

            <button class=" ">+</button>

        </div>

        <div>

            <button>00</button>

            <button>0</button>

            <button>.</button>

            <button class="equalBtn">=</button>

        </div>

      </div>

      <script src="script.js"></script>

</body>

</html>

**CSS**

@import url('https://fonts.googleapis.com/css2?family=Poppins&family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&display=swap');

\*{

    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: 'Poppins', sans-serif;

}

body{

    width: 100%;

    height: 100vh;

    display: flex;

    justify-content: center;

    align-items: center;

    background: linear-gradient(45deg,#0a0a0a,#3a4452);

}

.calculator{

    border: 1px solid #717377;

    padding: 20 px;

    border-radius: 16px;

    background: black;

    box-shadow: 0px 3px 15px rgba(113,115,119,0.5);

}

input{

    width: 320px;

    border: none;

    padding: 24px;

    margin: 10px;

    background: transparent;

    box-shadow: 0px 3px 15px rgbs(84,84,84,0.1);

    font-size: 40px;

    text-align: right;

    cursor: pointer;

    color: #ffffff;

}

input::placeholder{

    color: #ffffff;

}

button {

    border: none;

    width: 60px;

    height: 60px;

    margin: 10px;

    border-radius: 50%;

    background: #393a3b;

    color: darkgray;

    font-size: 20px;

    box-shadow: -8px -8px 15px rgba(255, 255, 255, 0.1);

    cursor: pointer;

    font-weight: bold;

}

.equalBtn{

    background-color: #fb7c14;

}

**Java script**

let input = document.getElementById('inputBox');

let buttons = document.querySelectorAll('button');

let string = "";

let arr = Array.from(buttons);

arr.forEach(button =>{

    button.addEventListener('click',(e) =>{

        if(e.target.innerHTML == '='){

            string = eval(string);

            input.value = string;

        }

        else if(e.target.innerHTML == 'AC'){

            string ="";

            input.value = string;

        }

        else if(e.target.innerHTML == 'DEL'){

             string = string.substring(0, string.length-1)

             input.value = string;

        }

        else{

            string += e.target.innerHTML;

        input.value = string;

        }

    })

})

**Abstract**

**This report delves into the dynamic field of web development, exploring its core concepts, technologies, and the evolution of modern web applications. Web development, encompassing frontend, backend, and full-stack development, plays a pivotal role in the creation of interactive and user-friendly websites and applications. The report discusses essential tools and frameworks like HTML, CSS, JavaScript, React, and Node.js, while emphasizing the significance of responsive design, accessibility, and performance optimization. Furthermore, it examines the impact of emerging trends such as progressive web apps (PWAs), serverless architectures, and artificial intelligence in web solutions. By providing insights into best practices, challenges, and future directions, this report aims to serve as a comprehensive guide for aspiring developers and stakeholders in the ever-evolving web development ecosystem.**

**References**

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