App.py

from flask import Flask, render\_template, request, redirect, url\_for, flash, abort

from flask\_mail import Mail, Message

from dotenv import load\_dotenv

import os

# Load environment variables

load\_dotenv()

app = Flask(\_\_name\_\_)

# SECURITY: Validate secret key exists

secret\_key = os.getenv('SECRET\_KEY')

if not secret\_key:

    raise ValueError("No SECRET\_KEY set in .env file")

app.secret\_key = secret\_key

# Email configuration with validation

app.config.update(

    MAIL\_SERVER=os.getenv('MAIL\_SERVER', 'smtp.gmail.com'),

    MAIL\_PORT=int(os.getenv('MAIL\_PORT', 587)),

    MAIL\_USE\_TLS=os.getenv('MAIL\_USE\_TLS', 'True').lower() == 'true',

    MAIL\_USERNAME=os.getenv('MAIL\_USERNAME'),

    MAIL\_PASSWORD=os.getenv('MAIL\_PASSWORD'),

    MAIL\_DEFAULT\_SENDER=os.getenv('MAIL\_DEFAULT\_SENDER') or os.getenv('MAIL\_USERNAME')

)

# Corrected email credentials validation

if not all([app.config['MAIL\_USERNAME'], app.config['MAIL\_PASSWORD']]):

    raise ValueError("Missing email credentials in .env")

mail = Mail(app)

# Project details data

projects = {

    'breast-cancer': {

        "title": "Breast Cancer Classification System",

        "category": "AI/ML",

        "date": "Nov 2024 - Apr 2025",

        "duration": "6 months",

        "team\_size": "Solo",

        "description": "Developed a deep learning system combining EfficientNet and YOLO for accurate breast tumor classification and localization in mammograms.",

        "problem\_statement": "Traditional diagnostic methods rely heavily on radiologists, leading to variability in interpretation. Existing AI solutions often lack both classification accuracy and precise tumor localization.",

        "metrics": [

            {"value": "93.6%", "label": "Classification Accuracy"},

            {"value": "89.4%", "label": "mAP@0.5"},

            {"value": "0.82", "label": "IoU Score"},

            {"value": "94.8%", "label": "Recall"}

        ],

        "technologies": ["Python", "TensorFlow", "EfficientNet", "YOLOv5", "Flask", "OpenCV", "Pandas"],

        "solution": "Integrated EfficientNet for tumor classification (benign/malignant) with YOLO for precise tumor localization, creating an end-to-end diagnostic pipeline.",

        "methodology": [

            "Collected and annotated 5GB mammogram dataset (CBIS-DDSM, INbreast)",

            "Preprocessed images with CLAHE and median filtering",

            "Implemented hybrid architecture with shared feature extraction",

            "Trained with balanced loss function (cross-entropy + MSE)",

            "Deployed as Flask web app with diagnostic report generation"

        ],

        "challenges": [

            {

                "challenge": "Small tumor detection in high-res images",

                "solution": "Optimized YOLO anchor boxes and trained on high-IoU annotations"

            },

            {

                "challenge": "Class imbalance in medical data",

                "solution": "Applied class weighting and strategic data augmentation"

            }

        ],

        "visuals": [

            {"image": "images/breast-cancer-1.png", "caption": "Web interface for diagnosis"},

            {"image": "images/breast-cancer-2.png", "caption": "Tumor detection with bounding boxes"},

            {"image": "images/breast-cancer-3.png", "caption": "Characteristics of the Tumor"}

        ],

        "outcomes": [

            "Achieved 93.6% classification accuracy (6.3% improvement over baseline)",

            "Reduced false negatives by 11.1% compared to radiologist benchmarks",

            "Developed real-time analysis system with 77ms average inference time",

            "Generated comprehensive diagnostic reports with tumor characteristics"

        ],

        "impact": "The system reduces radiologist workload by 40% for preliminary screenings while maintaining 98.2% agreement with expert diagnoses.",

        "lessons": [

            "Importance of domain-specific preprocessing in medical imaging",

            "Trade-offs between model complexity and deployment feasibility",

            "Value of explainable AI in healthcare applications"

        ],

        "future\_improvements": [

            "Multi-class tumor classification (ductal/lobular carcinoma)",

            "Integration with hospital PACS systems",

            "Federated learning for privacy-preserving model improvements"

        ],

        "github\_link": "#",

        "live\_link": "#",

        "report\_link": "#"

    },

    'expense-prediction': {

        "title": "Monthly Expense Prediction System",

        "category": "Data Science",

        "date": "June 2024 - Nov 2024",

        "duration": "5 months",

        "team\_size": "Solo",

        "description": "Machine learning system to predict individuals' ability to manage monthly expenses based on income and spending patterns.",

        "problem\_statement": "Many people struggle with financial planning due to unpredictable expenses and lack of personalized budgeting tools.",

        "metrics": [

            {"value": "93%", "label": "Best Model Accuracy"},

            {"value": "0.91", "label": "F1-Score"},

            {"value": "101", "label": "Survey Responses"},

            {"value": "8", "label": "ML Models Tested"}

        ],

        "technologies": ["Python", "Scikit-learn", "XGBoost", "Pandas", "Matplotlib", "Excel"],

        "solution": "Developed a comparative analysis of multiple ML algorithms to predict budget management success from survey data.",

        "methodology": [

            "Designed and distributed Google Forms survey (101 respondents)",

            "Preprocessed data with ordinal encoding and outlier removal",

            "Compared 8 algorithms (XGBoost, Random Forest, KNN, etc.)",

            "Optimized hyperparameters using grid search",

            "Analyzed feature importance for financial insights"

        ],

        "challenges": [

            {

                "challenge": "Small dataset with self-reported values",

                "solution": "Applied rigorous cross-validation and class balancing"

            },

            {

                "challenge": "Categorical feature interpretation",

                "solution": "Developed intuitive ordinal encoding system"

            }

        ],

        "visuals": [

            {"image": "images/expense-1.png", "caption": "Comparison of different models metrix"},

            {"image": "images/expense-2.png", "caption": "Het"},

            {"image": "images/expense-3.png", "caption": "Survey data distribution"}

        ],

        "outcomes": [

            "Identified XGBoost as top performer (93% accuracy)",

            "Discovered key predictors: savings rate > income > utilities",

            "40% of respondents struggled with budget management",

            "Created actionable financial planning insights"

        ],

        "impact": "The model helps financial advisors identify at-risk clients and provides individuals with personalized budgeting benchmarks.",

        "lessons": [

            "Data quality challenges in self-reported surveys",

            "Interpretability trade-offs in financial ML models",

            "Value of simple visualizations for non-technical stakeholders"

        ],

        "future\_improvements": [

            "Integration with banking APIs for real data",

            "Mobile app with personalized recommendations",

            "Longitudinal tracking of financial behavior"

        ],

        "github\_link": "#",

        "live\_link": "#",

        "report\_link": "#"

    },

    'dance-academy': {

        "title": "JC Dance Academy Website",

        "category": "Web Development",

        "date": "Jan 2024 - Mar 2024",

        "duration": "2 months",

        "team\_size": "Duo",

        "description": "Responsive website for a dance academy featuring class schedules, instructor profiles, and registration system.",

        "problem\_statement": "The academy needed a modern online presence to showcase their programs and streamline student enrollment.",

        "metrics": [

            {"value": "100%", "label": "Mobile Responsive"},

            {"value": "1.2s", "label": "Avg Load Time"},

            {"value": "5", "label": "Interactive Sections"},

            {"value": "300+", "label": "Monthly Visitors"}

        ],

        "technologies": ["HTML5", "CSS3", "JavaScript", "Swiper.js", "Font Awesome", "Git"],

        "solution": "Designed and developed a visually appealing, performance-optimized website with intuitive navigation.",

        "methodology": [

            "Conducted stakeholder interviews to identify requirements",

            "Created mobile-first responsive design",

            "Implemented Swiper.js for interactive galleries",

            "Optimized assets for fast loading",

            "Deployed with continuous integration"

        ],

        "challenges": [

            {

                "challenge": "Creating engaging animations without performance hits",

                "solution": "Used CSS transforms and hardware acceleration"

            },

            {

                "challenge": "Cross-browser compatibility",

                "solution": "Progressive enhancement and feature detection"

            }

        ],

        "visuals": [

            {"image": "images/dance-1.png", "caption": "Homepage hero slider"},

            {"image": "images/dance-2.png", "caption": "Class schedule section"},

            {"image": "images/dance-3.png", "caption": "Mobile responsive design"}

        ],

        "outcomes": [

            "Increased class sign-ups by 35%",

            "Reduced admin workload with online registration",

            "Improved brand perception with modern design",

            "Achieved perfect Lighthouse accessibility score"

        ],

        "impact": "The website became the primary marketing channel, replacing printed brochures and reducing customer acquisition costs by 60%.",

        "lessons": [

            "Importance of UX in conversion optimization",

            "Balancing aesthetics with performance",

            "Client communication in iterative design"

        ],

        "future\_improvements": [

            "Integration with payment gateways",

            "Student portal with progress tracking",

            "Video content delivery system"

        ],

        "github\_link": "#",

        "live\_link": "#",

        "report\_link": "#"

    }

}

@app.route('/')

def home():

    return render\_template('index.html')

@app.route('/about')

def about():

    return render\_template('about.html')

@app.route('/education')

def education():

    return render\_template('education.html')

@app.route('/skills')

def skills():

    return render\_template('skills.html')

@app.route('/experience')

def experience():

    return render\_template('experience.html')

@app.route('/projects')

def show\_projects():

    return render\_template('projects.html', projects=projects)

@app.route('/projects/<project\_id>')

def project\_detail(project\_id):

    project = projects.get(project\_id)

    if not project:

        abort(404)

    return render\_template('project\_detail.html', project=project)

@app.route('/contact', methods=['GET', 'POST'])

def contact():

    if request.method == 'POST':

        try:

            # Get form data

            name = request.form['name']

            email = request.form['email']

            message = request.form['message']

            # Send email to yourself

            msg = Message(

                subject=f"New message from {name}",

                recipients=[app.config['MAIL\_USERNAME']],

                body=f"Name: {name}\nEmail: {email}\n\nMessage:\n{message}"

            )

            mail.send(msg)

            flash('Message sent successfully!', 'success')

            return redirect(url\_for('contact'))

        except Exception as e:

            print(f"Error: {e}")

            flash('Failed to send message. Please try again later.', 'error')

            return redirect(url\_for('contact'))

    return render\_template('contact.html')

@app.route('/submit\_contact', methods=['POST'])

def submit\_contact():

    try:

        # Get form data

        name = request.form['name']

        email = request.form['email']

        company = request.form.get('company', 'Not specified')

        opportunity = request.form['opportunity']

        message\_content = request.form['message']

        # 1. Send HTML email to yourself

        msg\_to\_you = Message(

            subject=f"New Contact: {name} - {opportunity}",

            recipients=[app.config['MAIL\_USERNAME']]

        )

        msg\_to\_you.html = render\_template(

            "emails/admin\_notification.html",

            name=name,

            email=email,

            company=company,

            opportunity=opportunity,

            message=message\_content

        )

        mail.send(msg\_to\_you)

        # 2. Send HTML confirmation to user

        msg\_to\_user = Message(

            subject="Thanks for contacting me!",

            recipients=[email]

        )

        msg\_to\_user.html = render\_template(

            "emails/user\_confirmation.html",

            name=name,

            opportunity=opportunity,

            message=message\_content

        )

        mail.send(msg\_to\_user)

        flash('Message sent successfully! Check your email for confirmation.', 'success')

        return redirect(url\_for('contact'))

    except Exception as e:

        print(f"Email error: {str(e)}")

        flash('Failed to send message. Please try again later.', 'error')

        return redirect(url\_for('contact'))

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug=True)

.env

# Email Configuration

MAIL\_SERVER=smtp.gmail.com

MAIL\_PORT=587

MAIL\_USE\_TLS=True

MAIL\_USERNAME=feminacarolin2002@gmail.com

MAIL\_PASSWORD=ogfa wmrl amod wwqs

MAIL\_DEFAULT\_SENDER=feminacarolin2002@gmail.com

# App Security

SECRET\_KEY=559c21724cda33f8e75309fee7f44c18f7a36298191fb267

Requiremments.txt

Flask==2.3.2

Static/js/script.js

// Mobile Menu Toggle

const mobileMenuBtn = document.querySelector('.mobile-menu-btn');

const navLinks = document.querySelector('.nav-links');

if (mobileMenuBtn && navLinks) {

    mobileMenuBtn.addEventListener('click', () => {

        navLinks.classList.toggle('show');

        mobileMenuBtn.innerHTML = navLinks.classList.contains('show') ?

            '<i class="fas fa-times"></i>' : '<i class="fas fa-bars"></i>';

    });

}

// Header Scroll Effect

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

if (header) {

    window.addEventListener('scroll', () => {

        if (window.scrollY > 100) {

            header.classList.add('scrolled');

        } else {

            header.classList.remove('scrolled');

        }

    });

}

// Smooth Scrolling for Navigation

document.querySelectorAll('a[href^="#"]').forEach(anchor => {

    anchor.addEventListener('click', function(e) {

        e.preventDefault();

        const targetId = this.getAttribute('href');

        const targetElement = document.querySelector(targetId);

        if (targetElement) {

            window.scrollTo({

                top: targetElement.offsetTop - 80,

                behavior: 'smooth'

            });

            // Close mobile menu if open

            if (navLinks.classList.contains('show')) {

                navLinks.classList.remove('show');

                mobileMenuBtn.innerHTML = '<i class="fas fa-bars"></i>';

            }

        }

    });

});

// Animate Elements When Scrolled Into View

const animateOnScroll = () => {

    const elements = document.querySelectorAll('.animate-slide-right, .animate-pop-in');

    elements.forEach(element => {

        const elementPosition = element.getBoundingClientRect().top;

        const screenPosition = window.innerHeight / 1.3;

        if (elementPosition < screenPosition) {

            element.style.opacity = '1';

            element.style.transform = 'translateX(0) scale(1)';

        }

    });

};

window.addEventListener('scroll', animateOnScroll);

// Initialize animations when page loads

document.addEventListener('DOMContentLoaded', () => {

    animateOnScroll();

    // Set active nav link based on current page

    const currentPage = window.location.pathname.split('/').pop() || 'index.html';

    document.querySelectorAll('.nav-link').forEach(link => {

        if (link.getAttribute('href') === `/${currentPage}` ||

            (currentPage === '' && link.getAttribute('href') === '/')) {

            link.classList.add('active');

        }

    });

});

Templates/emails/admin\_notification.html

<!DOCTYPE html>

<html>

<body>

    <h3>New Contact Form Submission</h3>

    <p><strong>From:</strong> {{ name }} &lt;{{ email }}&gt;</p>

    <p><strong>Company:</strong> {{ company }}</p>

    <p><strong>Regarding:</strong> {{ opportunity }}</p>

    <h4>Message:</h4>

    <blockquote>{{ message }}</blockquote>

    <p>Click to reply: <a href="mailto:{{ email }}">Reply Now</a></p>

</body>

</html>

Templates/emails/user\_confirmation.html

<!DOCTYPE html>

<html>

<body>

    <h2>Thank you for contacting Femina Carolin!</h2>

    <p>Hi {{ name }},</p>

    <p>I've received your message regarding <strong>{{ opportunity }}</strong> and will respond within 24 hours.</p>

    <h3>Your Message:</h3>

    <blockquote>{{ message }}</blockquote>

    <p>Best regards,<br>Femina Carolin</p>

    <hr>

    <small>

        Connect with me:

        <a href="https://linkedin.com/in/feminacarolin14">LinkedIn</a> |

        <a href="https://github.com/feminacarolin">GitHub</a>

    </small>

</body>

</html>

Templates/about.html

{% extends "base.html" %}

{% block title %}About Me{% endblock %}

{% block content %}

<section class="about-section">

    <div class="container">

        <h2 class="section-title">About <span>Me</span></h2>

        <div class="about-content">

            <div class="about-image">

                <img src="{{ url\_for('static', filename='images/profile.jpg') }}" alt="Femina Carolin S">

            </div>

            <div class="about-text">

                <p>Recent postgraduate in Information Technology with a B.Sc. in Computer Science, equipped with strong analytical and programming skills.</p>

                <p>Proficient in Python, SQL, Excel, Power BI, and familiar with machine learning and deep learning concepts.</p>

                <div class="personal-info">

                    <div class="info-item">

                        <span>Name:</span>

                        <p>Femina Carolin S</p>

                    </div>

                    <div class="info-item">

                        <span>Email:</span>

                        <p>feminacarolin2002@gmail.com</p>

                    </div>

                    <div class="info-item">

                        <span>Phone:</span>

                        <p>+91 8438805328</p>

                    </div>

                    <div class="info-item">

                        <span>Location:</span>

                        <p>Chennai, Tamil Nadu, India</p>

                    </div>

                </div>

            </div>

        </div>

    </div>

</section>

{% endblock %}

Templates/base.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Femina Carolin S | {% block title %}{% endblock %}</title>

    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600;700&family=Playfair+Display:wght@700&display=swap" rel="stylesheet">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">

    <link rel="stylesheet" href="{{ url\_for('static', filename='css/style.css') }}">

    <style>

        /\* Quick-loading critical CSS for header/footer \*/

        .header {

            position: fixed;

            top: 0;

            left: 0;

            width: 100%;

            z-index: 1000;

            background: white;

            box-shadow: 0 2px 10px rgba(0,0,0,0.1);

            transition: all 0.3s ease;

        }

        .logo {

            font-size: 1.5rem;

            font-weight: 700;

            color: #2F2E41;

        }

        .logo span {

            color: #6C63FF;

        }

    </style>

</head>

<body>

    <header class="header">

        <div class="container">

            <a href="/" class="logo">Femina<span>Carolin</span></a>

            <nav class="nav-links">

                <a href="/" class="nav-link">Home</a>

                <a href="/about" class="nav-link">About</a>

                <a href="/education" class="nav-link">Education</a>

                <a href="/skills" class="nav-link">Skills</a>

                <a href="/experience" class="nav-link">Experience</a>

                <a href="/projects" class="nav-link active">Projects</a>

                <a href="/contact" class="nav-link">Contact</a>

            </nav>

            <button class="mobile-menu-btn" aria-label="Mobile Menu">

                <i class="fas fa-bars"></i>

            </button>

        </div>

    </header>

    <main>

        {% block content %}{% endblock %}

    </main>

    <footer class="footer">

        <div class="container">

            <div class="social-links">

                <a href="https://linkedin.com/in/feminacarolin14" target="\_blank" aria-label="LinkedIn">

                    <i class="fab fa-linkedin"></i>

                </a>

                <a href="mailto:feminacarolin2002@gmail.com" aria-label="Email">

                    <i class="fas fa-envelope"></i>

                </a>

                <a href="tel:+918438805328" aria-label="Phone">

                    <i class="fas fa-phone"></i>

                </a>

                <a href="https://github.com/feminacarolin" target="\_blank" aria-label="GitHub">

                    <i class="fab fa-github"></i>

                </a>

            </div>

            <p>&copy; 2023 Femina Carolin S. All rights reserved.</p>

        </div>

    </footer>

    <script src="{{ url\_for('static', filename='js/script.js') }}"></script>

    <script>

        // Mobile menu functionality

        document.addEventListener('DOMContentLoaded', function() {

            const mobileBtn = document.querySelector('.mobile-menu-btn');

            const navLinks = document.querySelector('.nav-links');

            mobileBtn.addEventListener('click', () => {

                navLinks.classList.toggle('active');

                mobileBtn.innerHTML = navLinks.classList.contains('active')

                    ? '<i class="fas fa-times"></i>'

                    : '<i class="fas fa-bars"></i>';

            });

            // Smooth scrolling for anchor links

            document.querySelectorAll('a[href^="#"]').forEach(anchor => {

                anchor.addEventListener('click', function(e) {

                    e.preventDefault();

                    document.querySelector(this.getAttribute('href')).scrollIntoView({

                        behavior: 'smooth'

                    });

                });

            });

            // Add active class to current page nav item

            const currentPage = location.pathname.split('/')[1] || 'home';

            document.querySelectorAll('.nav-link').forEach(link => {

                if (link.getAttribute('href').includes(currentPage)) {

                    link.classList.add('active');

                }

            });

        });

    </script>

</body>

</html>

Templates/contact.html

{% extends "base.html" %}

{% block title %}Contact Femina Carolin | ML Developer{% endblock %}

{% block content %}

<section class="contact-section">

    <div class="container">

        <!-- Header Section -->

        <div class="contact-header">

            <h1 class="section-title">Get In <span>Touch</span></h1>

            <p class="section-subtitle">

                Have a project in mind or want to discuss opportunities? I'd love to hear from you!

            </p>

            <div class="availability-badge">

                <i class="fas fa-circle"></i> Currently available for full-time roles

            </div>

        </div>

        <!-- Contact Grid -->

        <div class="contact-grid">

            <!-- Contact Methods -->

            <div class="contact-methods">

                <div class="contact-card">

                    <div class="contact-icon email">

                        <i class="fas fa-envelope"></i>

                    </div>

                    <div class="contact-info">

                        <h3>Email Me</h3>

                        <a href="mailto:feminacarolin2002@gmail.com">feminacarolin2002@gmail.com</a>

                        <div class="contact-meta">

                            <i class="fas fa-reply"></i> Typically responds within 24 hours

                        </div>

                    </div>

                </div>

                <div class="contact-card">

                    <div class="contact-icon phone">

                        <i class="fas fa-phone-alt"></i>

                    </div>

                    <div class="contact-info">

                        <h3>Call/WhatsApp</h3>

                        <a href="tel:+918438805328">+91 8438805328</a>

                        <div class="contact-meta">

                            <i class="fas fa-clock"></i> Mon-Fri, 9AM-6PM IST

                        </div>

                    </div>

                </div>

                <div class="contact-card">

                    <div class="contact-icon linkedin">

                        <i class="fab fa-linkedin-in"></i>

                    </div>

                    <div class="contact-info">

                        <h3>LinkedIn</h3>

                        <a href="https://linkedin.com/in/feminacarolin14" target="\_blank">in/feminacarolin14</a>

                        <div class="contact-meta">

                            <i class="fas fa-user-plus"></i> Connect with me

                        </div>

                    </div>

                </div>

            </div>

            <!-- Contact Form -->

            <div class="contact-form">

                <div class="form-header">

                    <h2><i class="fas fa-paper-plane"></i> Send Me a Message</h2>

                    <p>Have a specific question? Fill out this form and I'll get back to you soon.</p>

                </div>

                {% with messages = get\_flashed\_messages(with\_categories=true) %}

                    {% if messages %}

                        {% for category, message in messages %}

                            <div class="alert alert-{{ category }}">

                                {{ message }}

                            </div>

                        {% endfor %}

                    {% endif %}

                {% endwith %}

                <form action="{{ url\_for('submit\_contact') }}" method="POST">

                    <div class="form-group">

                        <label for="name">Your Name <span>\*</span></label>

                        <div class="input-with-icon">

                            <i class="fas fa-user"></i>

                            <input type="text" id="name" name="name" placeholder="John Doe" required>

                        </div>

                    </div>

                    <div class="form-group">

                        <label for="email">Your Email <span>\*</span></label>

                        <div class="input-with-icon">

                            <i class="fas fa-envelope"></i>

                            <input type="email" id="email" name="email" placeholder="john@example.com" required>

                        </div>

                    </div>

                    <div class="form-group">

                        <label for="opportunity">Regarding <span>\*</span></label>

                        <div class="input-with-icon">

                            <i class="fas fa-briefcase"></i>

                            <select id="opportunity" name="opportunity" required>

                                <option value="" disabled selected>Select an option</option>

                                <option value="full-time">Full-time Position</option>

                                <option value="internship">Internship Opportunity</option>

                                <option value="project">Project Collaboration</option>

                                <option value="other">Other Inquiry</option>

                            </select>

                        </div>

                    </div>

                    <div class="form-group">

                        <label for="message">Your Message <span>\*</span></label>

                        <textarea id="message" name="message" rows="5" placeholder="I'd like to discuss..." required></textarea>

                    </div>

                    <button type="submit" class="submit-btn">

                        <i class="fas fa-paper-plane"></i> Send Message

                    </button>

                </form>

            </div>

        </div>

    </div>

</section>

{% endblock %}

Templates/education.html

{% extends "base.html" %}

{% block title %}Education{% endblock %}

{% block content %}

<section class="education-section">

    <div class="container">

        <h2 class="section-title">My <span>Education</span></h2>

        <div class="education-timeline">

            <!-- MSc Section -->

            <div class="education-item highlight-degree">

                <div class="education-header">

                    <div class="college-logo">

                        <img src="{{ url\_for('static', filename='images/stella-maris-logo.png') }}" alt="Stella Maris College">

                    </div>

                    <div class="education-details">

                        <h3>Master of Science in Information Technology</h3>

                        <p class="college-name">Stella Maris College, Chennai</p>

                        <p class="duration">July 2023 - May 2025</p>

                        <p class="grade"><i class="fas fa-trophy"></i> CGPA: 8.0/10</p>

                    </div>

                </div>

                <div class="education-content">

                    <ul>

                        <li>Specialized in Data Analytics and Machine Learning</li>

                        <li>Thesis: "Advanced Techniques in Medical Image Analysis"</li>

                        <li>Coursework: Deep Learning, Big Data Analytics, Cloud Computing</li>

                    </ul>

                </div>

            </div>

            <!-- BSc Section -->

            <div class="education-item">

                <div class="education-header">

                    <div class="college-logo">

                        <img src="{{ url\_for('static', filename='images/jnn-logo.png') }}" alt="JNN College">

                    </div>

                    <div class="education-details">

                        <h3>Bachelor of Science in Computer Science</h3>

                        <p class="college-name">JNN Arts And Science Women's College, Chennai</p>

                        <p class="duration">July 2020 - May 2023</p>

                        <p class="grade distinction"><i class="fas fa-award"></i> First Class with Distinction</p>

                    </div>

                </div>

                <div class="education-content">

                    <ul>

                        <li>Core Subjects: Data Structures, Algorithms, Database Systems</li>

                        <li>Mathematics Minor</li>

                    </ul>

                </div>

            </div>

        </div>

        <!-- Certifications Section -->

        <div class="certifications-section">

            <h3 class="certifications-title"><i class="fas fa-certificate"></i> Certifications</h3>

            <div class="certifications-grid">

                <div class="certification-card">

                    <div class="certification-header">

                        <i class="fab fa-microsoft"></i>

                        <h4>Data Analytics Using Power BI</h4>

                    </div>

                    <p class="institute">Sysaan's Career Analytics Technology Solutions Pvt. Ltd.</p>

                    <p class="date">Aug 2024 - Sep 2024</p>

                    <ul>

                        <li>Mastered data loading, transformation, and dashboard creation</li>

                        <li>Developed 5+ interactive business dashboards</li>

                    </ul>

                </div>

                <div class="certification-card">

                    <div class="certification-header">

                        <i class="fab fa-aws"></i>

                        <h4>AWS Academy Cloud Foundations</h4>

                    </div>

                    <p class="date">Completed 2024</p>

                    <ul>

                        <li>Gained expertise in AWS core services and cloud architecture</li>

                        <li>Hands-on experience with EC2, S3, and Lambda</li>

                    </ul>

                </div>

            </div>

        </div>

    </div>

</section>

{% endblock %}

Templates/experience.html

{% extends "base.html" %}

{% block title %}Experience{% endblock %}

{% block content %}

<section class="experience-section">

    <div class="container">

        <h2 class="section-title">My <span>Experience</span></h2>

        <div class="timeline">

            <div class="timeline-item animate-slide-right">

                <div class="timeline-date">Summer 2024</div>

                <div class="timeline-content">

                    <h3>Industrial AI with Deep Learning Intern</h3>

                    <p class="company">Edge Matrix Corporation</p>

                    <ul>

                        <li>Applied deep learning models to industrial use cases including defect detection and predictive maintenance systems</li>

                        <li>Gained hands-on experience with CNN architectures and edge AI deployment techniques</li>

                        <li>Developed real-time model inference pipelines for manufacturing equipment monitoring</li>

                    </ul>

                    <div class="tech-tags">

                        <span>Python</span>

                        <span>TensorFlow</span>

                        <span>OpenCV</span>

                        <span>Edge Computing</span>

                    </div>

                </div>

            </div>

        </div>

    </div>

</section>

{% endblock %}

Templates/index.html

{% extends "base.html" %}

{% block title %}Home{% endblock %}

{% block content %}

<section class="hero">

    <div class="container">

        <div class="hero-content">

            <h1 class="animate-pop-in">Femina Carolin S</h1>

            <p class="subtitle animate-pop-in">Data Analyst | AI Enthusiast</p>

            <p class="hero-text animate-pop-in">Transforming data into actionable insights with cutting-edge technology</p>

            <div class="hero-buttons animate-pop-in">

                <a href="/projects" class="btn btn-primary">View My Work</a>

                <a href="/contact" class="btn btn-secondary">Contact Me</a>

            </div>

        </div>

        <div class="hero-image animate-float">

            <img src="{{ url\_for('static', filename='images/profile.jpg') }}" alt="Femina Carolin S">

        </div>

    </div>

</section>

{% endblock %}

Templates/project\_detail.html

{% extends "base.html" %}

{% block title %}{{ project.title }} Case Study{% endblock %}

{% block content %}

<section class="project-detail-section">

    <div class="container">

        <!-- Back Navigation -->

        <div class="project-navigation animate-fade-in">

            <a href="{{ url\_for('show\_projects') }}" class="btn-back-to-projects">

                <i class="fas fa-arrow-left"></i> View All Projects

            </a>

        </div>

        <div class="project-detail-container">

            <!-- Project Header -->

            <div class="project-header animate-slide-up">

                <div class="project-category-badge">

                    {{ project.category }}

                </div>

                <h1>{{ project.title }}</h1>

                <div class="project-meta-detail">

                    <span><i class="fas fa-calendar"></i> {{ project.date }}</span>

                    <span><i class="fas fa-hourglass-half"></i> {{ project.duration }}</span>

                    {% if project.team\_size %}

                    <span><i class="fas fa-users"></i> Team: {{ project.team\_size }}</span>

                    {% endif %}

                </div>

            </div>

            <!-- Project Hero Image -->

            <div class="project-hero animate-slide-up" style="--delay: 0.2s">

                <img src="{{ url\_for('static', filename=project.detail\_image) }}"

                     alt="{{ project.title }}"

                     class="hero-image"

                     loading="lazy">

            </div>

            <!-- Project Content -->

            <div class="project-content-detail">

                <!-- Overview Section -->

                <div class="project-overview animate-fade-in" style="--delay: 0.3s">

                    <h2><i class="fas fa-clipboard-list"></i> Project Overview</h2>

                    <p>{{ project.description }}</p>

                    {% if project.problem\_statement %}

                    <div class="problem-statement">

                        <h3><i class="fas fa-question-circle"></i> Problem Statement</h3>

                        <p>{{ project.problem\_statement }}</p>

                    </div>

                    {% endif %}

                </div>

                <!-- Key Metrics -->

                {% if project.metrics %}

                <div class="metrics-section animate-fade-in" style="--delay: 0.35s">

                    <h3><i class="fas fa-chart-line"></i> Key Metrics</h3>

                    <div class="metrics-grid">

                        {% for metric in project.metrics %}

                        <div class="metric-card">

                            <div class="metric-value">{{ metric.value }}</div>

                            <div class="metric-label">{{ metric.label }}</div>

                            {% if metric.tooltip %}

                            <div class="metric-tooltip">{{ metric.tooltip }}</div>

                            {% endif %}

                        </div>

                        {% endfor %}

                    </div>

                </div>

                {% endif %}

                <!-- Tech Stack Section -->

                <div class="tech-stack-section animate-fade-in" style="--delay: 0.4s">

                    <h3><i class="fas fa-code"></i> Technology Stack</h3>

                    <div class="tech-tags">

                        {% for tech in project.technologies %}

                        <span>

                            {% if tech.lower() in ['python', 'javascript', 'html', 'css', 'react', 'node.js'] %}

                                <i class="fab fa-{{ tech.lower() }}"></i>

                            {% elif tech.lower() in ['flask', 'tensorflow'] %}

                                <i class="fas fa-{{ 'fire' if tech.lower() == 'flask' else 'brain' }}"></i>

                            {% elif tech.lower() in ['efficientnet', 'yolo'] %}

                                <i class="fas fa-robot"></i>

                            {% elif tech.lower() in ['xgboost', 'random forest'] %}

                                <i class="fas fa-project-diagram"></i>

                            {% else %}

                                <i class="fas fa-cog"></i>

                            {% endif %}

                            {{ tech }}

                        </span>

                        {% endfor %}

                    </div>

                </div>

                <!-- Solution Approach -->

                {% if project.solution %}

                <div class="solution-section animate-fade-in" style="--delay: 0.45s">

                    <h3><i class="fas fa-lightbulb"></i> Solution Approach</h3>

                    <p>{{ project.solution }}</p>

                    {% if project.methodology %}

                    <div class="methodology">

                        <h4>Methodology:</h4>

                        <ul>

                            {% for step in project.methodology %}

                            <li>{{ step }}</li>

                            {% endfor %}

                        </ul>

                    </div>

                    {% endif %}

                </div>

                {% endif %}

                <!-- Challenges & Solutions -->

                {% if project.challenges %}

                <div class="challenges-section animate-fade-in" style="--delay: 0.5s">

                    <h3><i class="fas fa-exclamation-triangle"></i> Challenges & Solutions</h3>

                    <div class="challenges-grid">

                        {% for challenge in project.challenges %}

                        <div class="challenge-card">

                            <div class="challenge">

                                <h4>Challenge:</h4>

                                <p>{{ challenge.challenge }}</p>

                            </div>

                            <div class="solution">

                                <h4>Solution:</h4>

                                <p>{{ challenge.solution }}</p>

                            </div>

                        </div>

                        {% endfor %}

                    </div>

                </div>

                {% endif %}

                <!-- Visuals/Gallery -->

                {% if project.visuals %}

                <div class="visuals-section animate-fade-in" style="--delay: 0.55s">

                    <h3><i class="fas fa-images"></i> Project Visuals</h3>

                    <div class="visuals-gallery">

                        {% for visual in project.visuals %}

                        <div class="visual-card">

                            <img src="{{ url\_for('static', filename=visual.image) }}"

                                 alt="{{ visual.caption }}"

                                 loading="lazy">

                            <div class="visual-caption">{{ visual.caption }}</div>

                        </div>

                        {% endfor %}

                    </div>

                </div>

                {% endif %}

                <!-- Key Achievements -->

                <div class="project-outcomes animate-fade-in" style="--delay: 0.6s">

                    <h2><i class="fas fa-trophy"></i> Key Achievements</h2>

                    <ul class="outcomes-list">

                        {% for outcome in project.outcomes %}

                        <li>{{ outcome }}</li>

                        {% endfor %}

                    </ul>

                    {% if project.impact %}

                    <div class="impact-section">

                        <h3>Impact:</h3>

                        <p>{{ project.impact }}</p>

                    </div>

                    {% endif %}

                </div>

                <!-- Lessons Learned -->

                {% if project.lessons %}

                <div class="lessons-section animate-fade-in" style="--delay: 0.65s">

                    <h3><i class="fas fa-graduation-cap"></i> Lessons Learned</h3>

                    <ul>

                        {% for lesson in project.lessons %}

                        <li>{{ lesson }}</li>

                        {% endfor %}

                    </ul>

                </div>

                {% endif %}

                <!-- Future Improvements -->

                {% if project.future\_improvements %}

                <div class="future-section animate-fade-in" style="--delay: 0.7s">

                    <h3><i class="fas fa-rocket"></i> Future Improvements</h3>

                    <ul>

                        {% for improvement in project.future\_improvements %}

                        <li>{{ improvement }}</li>

                        {% endfor %}

                    </ul>

                </div>

                {% endif %}

                <!-- Action Buttons -->

                {% if project.github\_link != '#' or project.live\_link != '#' %}

                <div class="project-actions animate-fade-in" style="--delay: 0.75s">

                    {% if project.github\_link != '#' %}

                    <a href="{{ project.github\_link }}" class="btn-project-action btn-github" target="\_blank" rel="noopener">

                        <i class="fab fa-github"></i> View Code

                    </a>

                    {% endif %}

                    {% if project.live\_link != '#' %}

                    <a href="{{ project.live\_link }}" class="btn-project-action btn-demo" target="\_blank" rel="noopener">

                        <i class="fas fa-external-link-alt"></i> Live Demo

                    </a>

                    {% endif %}

                    {% if project.report\_link != '#' %}

                    <a href="{{ project.report\_link }}" class="btn-project-action btn-report" target="\_blank" rel="noopener">

                        <i class="fas fa-file-pdf"></i> View Report

                    </a>

                    {% endif %}

                </div>

                {% endif %}

            </div>

        </div>

    </div>

</section>

<style>

{% endblock %}

Templates/projects.html

{% extends "base.html" %}

{% block title %}Projects{% endblock %}

{% block content %}

<section class="projects-section">

    <div class="container">

        <div class="section-header">

            <h2 class="section-title">My <span>Projects</span></h2>

            <p class="section-subtitle">Here are some of my recent works showcasing my skills and expertise</p>

        </div>

        <div class="projects-grid">

            {% for project\_id, project in projects.items() %}

            <a href="{{ url\_for('project\_detail', project\_id=project\_id) }}" class="project-card animate-slide-up" style="--delay: {{ loop.index \* 0.1 }}s">

                <div class="project-image-container">

                    <img src="{{ url\_for('static', filename=project.main\_image) }}"

                         alt="{{ project.title }}"

                         class="project-cover-image"

                         loading="lazy">

                    <div class="image-overlay">

                        <i class="fas fa-search-plus overlay-icon"></i>

                    </div>

                </div>

                <div class="project-content">

                    <h3>{{ project.title }}</h3>

                    <div class="view-details-btn">

                        View Details <i class="fas fa-arrow-right"></i>

                    </div>

                </div>

            </a>

            {% endfor %}

        </div>

    </div>

</section>

{% endblock %}

Templates/skills.html

{% extends "base.html" %}

{% block title %}Skills{% endblock %}

{% block content %}

<section class="skills-section">

    <div class="container">

        <h2 class="section-title">My <span>Skills</span></h2>

        <p class="section-subtitle">Technologies and tools I work with</p>

        <div class="skills-grid">

            <!-- Programming Languages -->

            <div class="skill-category">

                <h3><i class="fas fa-code"></i> Programming Languages</h3>

                <div class="skills-list">

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fab fa-python"></i>

                        </div>

                        <span>Python</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fas fa-database"></i>

                        </div>

                        <span>SQL</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fab fa-html5"></i>

                        </div>

                        <span>HTML</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fab fa-css3-alt"></i>

                        </div>

                        <span>CSS</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fab fa-js-square"></i>

                        </div>

                        <span>JavaScript</span>

                    </div>

                </div>

            </div>

            <!-- Data Science & AI -->

            <div class="skill-category">

                <h3><i class="fas fa-brain"></i> Data Science & AI</h3>

                <div class="skills-list">

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fas fa-robot"></i>

                        </div>

                        <span>Machine Learning</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fas fa-network-wired"></i>

                        </div>

                        <span>Deep Learning</span>

                    </div>

                </div>

            </div>

            <!-- Tools & Platforms -->

            <div class="skill-category">

                <h3><i class="fas fa-tools"></i> Tools & Platforms</h3>

                <div class="skills-list">

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fas fa-file-excel"></i>

                        </div>

                        <span>Microsoft Excel</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fas fa-chart-bar"></i>

                        </div>

                        <span>Power BI</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fas fa-flask"></i>

                        </div>

                        <span>Flask</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fas fa-atom"></i>

                        </div>

                        <span>Anaconda</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fas fa-book"></i>

                        </div>

                        <span>Jupyter Notebook</span>

                    </div>

                    <div class="skill-item">

                        <div class="skill-icon">

                            <i class="fab fa-google"></i>

                        </div>

                        <span>Google Colab</span>

                    </div>

                </div>

            </div>

        </div>

    </div>

</section>

{% endblock %}

Static/css/style.css

/\* ===== Enhanced Variables ===== \*/

:root {

    --primary: #7b2a77;  /\* Changed from blue to coral \*/

    --primary-light: #FF8E8E;

    --secondary: #4ECDC4;  /\* Mint green \*/

    --dark: #292F36;      /\* Dark slate \*/

    --darker: #1A1D22;

    --light: #F7FFF7;     /\* Very light cream \*/

    --gray: #E8E8E8;

    --text: #3D3D3D;

    --text-light: #6C757D;

    /\* Animation Speeds \*/

    --transition-fast: 0.2s;

    --transition-normal: 0.3s;

    --transition-slow: 0.5s;

}

/\* ===== Base Reset ===== \*/

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

body {

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

    line-height: 1.6;

    color: var(--text);

    background-color: var(--light);

    padding-top: 70px; /\* Fixed header height \*/

    overflow-x: hidden;

}

/\* ===== Fixed Header ===== \*/

.header {

    position: fixed;

    top: 0;

    left: 0;

    width: 100%;

    height: 70px;

    background: white;

    box-shadow: 0 2px 15px rgba(0,0,0,0.08);

    display: flex;

    align-items: center;

    justify-content: space-between;

    padding: 0 5%;

    z-index: 1000;

    transition: all var(--transition-normal) ease;

}

.header.scrolled {

    height: 70px;

    box-shadow: 0 4px 20px rgba(0,0,0,0.1);

}

/\* Logo Styling \*/

.logo {

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

    font-weight: 700;

    font-size: 1.8rem;

    color: var(--dark);

    display: flex;

    align-items: center;

    gap: 8px;

    text-decoration: none;

}

.logo-first {

    color: var(--primary);

}

.logo-second {

    position: relative;

    overflow: hidden;

}

.logo-second::after {

    content: '';

    position: absolute;

    bottom: 0;

    left: 0;

    width: 100%;

    height: 2px;

    background: var(--primary);

    transform: translateX(-100%);

    transition: transform var(--transition-slow) ease;

}

.logo:hover .logo-second::after {

    transform: translateX(0);

}

/\* Navigation \*/

.nav-links {

    display: flex;

    gap: 2rem;

}

.nav-link {

    position: relative;

    color: var(--text);

    text-decoration: none;

    font-weight: 500;

    padding: 0.5rem 0;

    transition: color var(--transition-fast) ease;

}

.nav-link::before {

    content: '';

    position: absolute;

    bottom: 0;

    left: 0;

    width: 0;

    height: 2px;

    background: var(--primary);

    transition: width var(--transition-normal) ease;

}

.nav-link:hover,

.nav-link.active {

    color: var(--primary);

}

.nav-link.active::before,

.nav-link:hover::before {

    width: 100%;

}

/\* Mobile Menu \*/

.mobile-menu-btn {

    display: none;

    background: none;

    border: none;

    font-size: 1.5rem;

    color: var(--dark);

    cursor: pointer;

    transition: transform var(--transition-fast) ease;

}

.mobile-menu-btn:active {

    transform: scale(0.9);

}

/\* Container & Sections \*/

.container {

    width: 100%;

    max-width: 1200px;

    margin: 0 auto;

    padding: 0 20px;

}

section {

    padding: 2.5rem 0; /\* Reduced from 5rem \*/

    min-height: auto;

}

/\* Responsive Adjustments \*/

@media (max-width: 992px) {

    .header {

        padding: 0 2rem;

    }

    .nav-links {

        position: fixed;

        top: 80px;

        left: -100%;

        width: 80%;

        height: calc(100vh - 80px);

        background: white;

        flex-direction: column;

        align-items: center;

        padding: 2rem 0;

        box-shadow: 2px 0 15px rgba(0,0,0,0.1);

        transition: left var(--transition-normal) ease;

    }

    .nav-links.active {

        left: 0;

    }

    .mobile-menu-btn {

        display: block;

    }

    .nav-link {

        padding: 1rem 0;

        font-size: 1.1rem;

    }

}

/\* Animations \*/

@keyframes fadeIn {

    from { opacity: 0; }

    to { opacity: 1; }

}

@keyframes slideIn {

    from { transform: translateY(20px); opacity: 0; }

    to { transform: translateY(0); opacity: 1; }

}

/\* Add this to your base.html or main CSS file \*/

@import url('https://fonts.googleapis.com/css2?family=Montserrat:wght@700&family=Poppins:wght@400;500;600&display=swap');

/\* ===== Hero Section (Enhanced) ===== \*/

.hero {

    padding: 80px 0;

    background: linear-gradient(135deg, rgba(108, 99, 255, 0.1) 0%, rgba(255, 255, 255, 0) 100%);

    position: relative;

    overflow: hidden;

}

.hero .container {

    display: flex;

    align-items: center;

    justify-content: space-between;

    position: relative;

    z-index: 1;

}

.hero-content {

    max-width: 600px;

    animation: fadeInUp 0.8s ease-out; /\* Entry animation \*/

}

.hero h1 {

    font-size: 3.5rem;

    margin-bottom: 15px;

    line-height: 1.2;

    color: var(--dark);

}

.hero h1 span {

    color: var(--primary);

}

.subtitle {

    font-size: 1.2rem;

    color: var(--primary);

    margin-bottom: 20px;

    font-weight: 600;

    display: inline-block;

}

.hero-text {

    margin-bottom: 30px;

    font-size: 1.1rem;

    color: var(--text);

    opacity: 0.9;

}

.hero-buttons {

    display: flex;

    gap: 15px;

    flex-wrap: wrap;

}

.hero-image {

    width: 45%;

    max-width: 500px;

    border-radius: 20px;

    overflow: hidden;

    box-shadow: 0 20px 40px rgba(0, 0, 0, 0.1);

    transform: translateY(0);

    transition: transform var(--transition-normal) ease, box-shadow var(--transition-normal) ease;

    animation: fadeIn 0.8s ease-out 0.2s both; /\* Delayed entry \*/

}

.hero-image:hover {

    transform: translateY(-5px);

    box-shadow: 0 25px 50px rgba(0, 0, 0, 0.15);

}

.hero-image img {

    width: 100%;

    height: auto;

    display: block;

    transition: transform var(--transition-slow) ease;

}

.hero-image:hover img {

    transform: scale(1.03);

}

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

.about {

    background-color: var(--light);

    padding: 3rem 0; /\* Reduced from 5rem \*/

}

.about-content {

    display: grid;

    grid-template-columns: 1fr 1fr;

    gap: 40px; /\* Reduced from 50px \*/

    align-items: center;

}

/\* Image Container with Animations \*/

.about-image {

    border-radius: 16px;

    overflow: hidden;

    box-shadow: 0 15px 30px rgba(0, 0, 0, 0.08);

    transform: translateY(0);

    transition: all var(--transition-normal) ease;

    width: 100%; /\* Container takes full width \*/

    height: auto; /\* Height adjusts proportionally \*/

    max-width: 450px; /\* Maximum size matches your original \*/

    margin: 0 auto; /\* Center the container \*/

    animation: fadeInLeft 0.8s ease-out;

}

.about-image:hover {

    transform: translateY(-5px) scale(1.02);

    box-shadow: 0 20px 40px rgba(0, 0, 0, 0.15);

}

.about-image img {

    width: 100%;

    height: auto;

    object-fit: contain; /\* Changed from 'cover' to 'contain' \*/

    display: block;

    transition: transform var(--transition-slow) ease;

}

.about-image:hover img {

    transform: scale(1.05);

}

/\* Content Animations \*/

.about-text {

    animation: fadeInRight 0.8s ease-out 0.2s both;

}

.personal-info {

    margin-top: 20px; /\* Reduced from 30px \*/

    animation: fadeInUp 0.8s ease-out 0.4s both;

}

.info-item {

    display: flex;

    margin-bottom: 12px; /\* Reduced from 15px \*/

    align-items: center;

    transition: transform var(--transition-fast) ease;

}

.info-item:hover {

    transform: translateX(5px);

}

.info-item span {

    font-weight: 600;

    min-width: 100px; /\* Reduced from 120px \*/

    color: var(--dark);

}

/\* New Animations \*/

@keyframes fadeInLeft {

    from {

        opacity: 0;

        transform: translateX(-30px);

    }

    to {

        opacity: 1;

        transform: translateX(0);

    }

}

@keyframes fadeInRight {

    from {

        opacity: 0;

        transform: translateX(30px);

    }

    to {

        opacity: 1;

        transform: translateX(0);

    }

}

/\* ===== Responsive Adjustments ===== \*/

@media (max-width: 992px) {

    .about-content {

        max-width: 400px;

    }

    .about-image {

        aspect-ratio: 1/1;

    }

}

@media (max-width: 768px) {

    .about {

        padding: 2rem 0;

    }

    .about-content {

        grid-template-columns: 1fr;

        gap: 25px;

    }

    .about-image {

        max-width: 350px;

    }

}

@media (max-width: 576px) {

    .about-image {

        max-width: 100%;

        padding: 0 20px;

    }

    .info-item {

        flex-direction: column;

        align-items: flex-start;

        gap: 5px;

    }

    .info-item span {

        min-width: auto;

    }

}

/\* ===== Experience Section (Enhanced) ===== \*/

.timeline {

    position: relative;

    padding-left: 30px;

    margin-top: 40px;

}

.timeline::before {

    content: '';

    position: absolute;

    left: 10px;

    top: 0;

    bottom: 0;

    width: 2px;

    background: linear-gradient(to bottom, var(--primary), var(--secondary)); /\* Gradient line \*/

}

.timeline-item {

    position: relative;

    padding-bottom: 40px;

    animation: fadeInUp 0.6s ease-out forwards;

    opacity: 0;

}

.timeline-item:nth-child(1) { animation-delay: 0.2s; }

.timeline-item:nth-child(2) { animation-delay: 0.4s; }

.timeline-item:nth-child(3) { animation-delay: 0.6s; }

.timeline-item:last-child {

    padding-bottom: 0;

}

.timeline-item::before {

    content: '';

    position: absolute;

    left: -30px;

    top: 5px;

    width: 20px;

    height: 20px;

    border-radius: 50%;

    background: white;

    border: 3px solid var(--primary);

    z-index: 1;

    transition: all 0.3s ease;

}

.timeline-item:hover::before {

    background: var(--primary);

    transform: scale(1.2);

    box-shadow: 0 0 0 4px rgba(108, 99, 255, 0.2);

}

.timeline-date {

    font-weight: 600;

    color: var(--secondary); /\* Changed to secondary color \*/

    margin-bottom: 8px;

    display: inline-block;

    background: rgba(255, 101, 132, 0.1);

    padding: 3px 12px;

    border-radius: 50px;

}

.timeline-content {

    background: white;

    padding: 25px;

    border-radius: 10px;

    box-shadow: 0 5px 25px rgba(0, 0, 0, 0.08);

    transition: all 0.3s ease;

    border-left: 3px solid transparent;

}

.timeline-content:hover {

    transform: translateY(-5px);

    box-shadow: 0 10px 30px rgba(0, 0, 0, 0.12);

    border-left-color: var(--primary);

}

.timeline-content h3 {

    margin-bottom: 12px;

    color: var(--dark);

    font-size: 1.4rem;

}

.company {

    color: var(--primary-light); /\* Lighter primary color \*/

    margin-bottom: 15px;

    font-weight: 600;

    display: flex;

    align-items: center;

    gap: 8px;

}

.company::before {

    content: '▹';

    color: var(--primary);

}

.timeline-content ul {

    margin-left: 20px;

    margin-bottom: 20px;

}

.timeline-content li {

    margin-bottom: 8px;

    position: relative;

    padding-left: 15px;

}

.timeline-content li::before {

    content: '•';

    position: absolute;

    left: 0;

    color: var(--primary);

    font-weight: bold;

}

.tech-tags {

    display: flex;

    flex-wrap: wrap;

    gap: 10px;

}

.tech-tags span {

    background: rgba(108, 99, 255, 0.1);

    color: var(--primary);

    padding: 5px 15px;

    border-radius: 50px;

    font-size: 0.85rem;

    font-weight: 500;

    transition: all 0.2s ease;

}

.tech-tags span:hover {

    background: var(--primary);

    color: white;

    transform: translateY(-2px);

}

/\* ===== Footer (Enhanced) ===== \*/

.footer {

    background: linear-gradient(to right, var(--darker), var(--dark));

    color: white;

    padding: 60px 0 30px;

    text-align: center;

    position: relative;

    overflow: hidden;

}

.footer::before {

    content: '';

    position: absolute;

    top: 0;

    left: 0;

    width: 100%;

    height: 3px;

    background: linear-gradient(to right, var(--primary), var(--secondary));

}

.social-links {

    display: flex;

    justify-content: center;

    gap: 25px;

    margin-bottom: 30px;

}

.social-links a {

    color: white;

    font-size: 1.4rem;

    transition: all 0.4s ease;

    display: inline-block;

}

.social-links a:hover {

    color: var(--primary);

    transform: translateY(-5px) scale(1.1);

    text-shadow: 0 5px 15px rgba(108, 99, 255, 0.4);

}

.footer p {

    opacity: 0.8;

    font-size: 0.95rem;

    margin-top: 20px;

}

/\* ===== Heading Adjustments ===== \*/

.section-title {

    text-align: left; /\* Left-aligned as requested \*/

    margin-bottom: 30px;

    padding-bottom: 0; /\* Remove space for underline \*/

}

.section-title::after {

    display: none; /\* Remove blue underline \*/

}

/\* ===== Animations ===== \*/

@keyframes fadeInUp {

    from {

        opacity: 0;

        transform: translateY(20px);

    }

    to {

        opacity: 1;

        transform: translateY(0);

    }

}

@keyframes gradientBG {

    0% { background-position: 0% 50%; }

    50% { background-position: 100% 50%; }

    100% { background-position: 0% 50%; }

}

/\* ===== Responsive Tweaks ===== \*/

@media (max-width: 768px) {

    .timeline {

        padding-left: 20px;

    }

    .timeline-item::before {

        left: -25px;

    }

    .timeline-content {

        padding: 20px;

    }

    .social-links {

        gap: 20px;

    }

}

/\* ===== Education Section ===== \*/

.education-timeline {

    display: flex;

    flex-direction: column;

    gap: 2rem;

    margin-bottom: 4rem;

}

.education-item {

    background: white;

    border-radius: 12px;

    padding: 2rem;

    box-shadow: 0 5px 15px rgba(0,0,0,0.05);

    transition: all 0.3s ease;

    border-left: 4px solid var(--primary);

}

.education-item.highlight-degree {

    border-left: 4px solid var(--secondary);

    position: relative;

    overflow: hidden;

}

.education-item.highlight-degree::before {

    content: 'Latest Degree';

    position: absolute;

    top: 20px;

    right: -30px;

    background: var(--secondary);

    color: white;

    padding: 5px 30px;

    transform: rotate(45deg);

    font-size: 0.8rem;

    font-weight: 600;

}

.education-header {

    display: flex;

    gap: 1.5rem;

    align-items: center;

    margin-bottom: 1.5rem;

}

.college-logo {

    width: 80px;

    height: 80px;

    border-radius: 50%;

    background: white;

    display: flex;

    align-items: center;

    justify-content: center;

    padding: 10px;

    box-shadow: 0 3px 10px rgba(0,0,0,0.1);

}

.college-logo img {

    max-width: 100%;

    max-height: 100%;

    object-fit: contain;

}

.education-details h3 {

    font-size: 1.3rem;

    margin-bottom: 0.5rem;

    color: var(--dark);

}

.college-name {

    font-weight: 600;

    color: var(--primary);

    margin-bottom: 0.5rem;

}

.duration {

    color: var(--text-light);

    font-size: 0.9rem;

    margin-bottom: 0.5rem;

}

.grade {

    font-weight: 600;

    color: var(--dark);

    display: flex;

    align-items: center;

    gap: 0.5rem;

}

.grade i {

    color: var(--primary);

}

.grade.distinction {

    color: var(--secondary);

}

.grade.distinction i {

    color: var(--secondary);

}

.education-content ul {

    margin-left: 1.5rem;

}

.education-content li {

    margin-bottom: 0.5rem;

    position: relative;

}

.education-content li::before {

    content: '▹';

    position: absolute;

    left: -1.5rem;

    color: var(--primary);

}

/\* ===== Education Section Animations ===== \*/

.education-timeline {

    animation: fadeIn 0.8s ease-out;

}

.education-item {

    animation: slideUp 0.6s ease-out forwards;

    opacity: 0;

    animation-delay: calc(var(--item-order) \* 0.1s);

}

.education-item.highlight-degree {

    animation: pulseGlow 3s infinite alternate, slideUp 0.6s ease-out forwards;

}

.education-item:hover {

    transform: translateY(-5px) scale(1.01);

    box-shadow: 0 10px 30px rgba(108, 99, 255, 0.15);

}

.college-logo {

    transition: all var(--transition-normal) ease;

}

.college-logo:hover {

    transform: scale(1.1) rotate(5deg);

    box-shadow: 0 8px 25px rgba(108, 99, 255, 0.2);

}

.education-content li {

    transition: transform var(--transition-fast) ease;

}

.education-content li:hover {

    transform: translateX(5px);

}

/\* ===== Certifications Section ===== \*/

.certifications-section {

    margin-top: 4rem;

}

.certifications-title {

    font-size: 1.8rem;

    margin-bottom: 2rem;

    color: var(--dark);

    display: flex;

    align-items: center;

    gap: 1rem;

}

.certifications-title i {

    color: var(--primary);

}

.certifications-grid {

    display: grid;

    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));

    gap: 2rem;

}

.certification-card {

    background: white;

    border-radius: 12px;

    padding: 1.5rem;

    box-shadow: 0 5px 15px rgba(0,0,0,0.05);

    transition: all 0.3s ease;

    border-top: 3px solid var(--primary);

}

.certification-card:hover {

    transform: translateY(-5px);

    box-shadow: 0 10px 25px rgba(0,0,0,0.1);

}

.certification-header {

    display: flex;

    align-items: center;

    gap: 1rem;

    margin-bottom: 1rem;

}

.certification-header i {

    font-size: 1.8rem;

    color: var(--primary);

}

.certification-header h4 {

    font-size: 1.1rem;

    color: var(--dark);

}

.institute {

    font-weight: 500;

    color: var(--text);

    margin-bottom: 0.5rem;

}

.date {

    color: var(--text-light);

    font-size: 0.9rem;

    margin-bottom: 1rem;

}

.certification-card ul {

    margin-left: 1.5rem;

}

.certification-card li {

    margin-bottom: 0.5rem;

    position: relative;

    font-size: 0.95rem;

}

.certification-card li::before {

    content: '▹';

    position: absolute;

    left: -1.5rem;

    color: var(--primary);

}

/\* ===== Certifications Section Animations ===== \*/

.certifications-section {

    animation: fadeIn 0.8s ease-out 0.2s forwards;

    opacity: 0;

}

.certification-card {

    animation: slideUp 0.6s ease-out forwards;

    opacity: 0;

    animation-delay: calc(var(--card-order) \* 0.1s);

}

.certification-card:hover {

    transform: translateY(-8px) !important;

    box-shadow: 0 15px 35px rgba(108, 99, 255, 0.2);

}

.certification-header i {

    transition: transform var(--transition-normal) ease;

}

.certification-card:hover .certification-header i {

    transform: scale(1.2) rotate(10deg);

}

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

.skills-section {

    background: linear-gradient(135deg, rgba(76, 201, 240, 0.05) 0%, rgba(255, 255, 255, 0) 100%);

}

.section-subtitle {

    color: var(--text-light);

    margin-bottom: 3rem;

    text-align: center;

    font-size: 1.1rem;

}

.skills-grid {

    display: grid;

    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));

    gap: 2rem;

}

.skill-category {

    background: white;

    border-radius: 12px;

    padding: 2rem;

    box-shadow: 0 5px 15px rgba(0,0,0,0.05);

    transition: all 0.3s ease;

}

.skill-category:hover {

    transform: translateY(-5px);

    box-shadow: 0 10px 25px rgba(0,0,0,0.1);

}

.skill-category h3 {

    font-size: 1.2rem;

    margin-bottom: 1.5rem;

    color: var(--dark);

    display: flex;

    align-items: center;

    gap: 0.8rem;

    padding-bottom: 0.8rem;

    border-bottom: 2px solid var(--gray);

}

.skill-category h3 i {

    color: var(--primary);

}

.skills-list {

    display: grid;

    grid-template-columns: repeat(auto-fit, minmax(120px, 1fr));

    gap: 1.2rem;

}

.skill-item {

    display: flex;

    flex-direction: column;

    align-items: center;

    gap: 0.8rem;

    padding: 1.2rem;

    border-radius: 8px;

    background: rgba(108, 99, 255, 0.05);

    transition: all 0.3s ease;

}

.skill-item:hover {

    background: rgba(108, 99, 255, 0.1);

    transform: translateY(-3px);

}

.skill-icon {

    width: 50px;

    height: 50px;

    border-radius: 50%;

    background: white;

    display: flex;

    align-items: center;

    justify-content: center;

    font-size: 1.5rem;

    color: var(--primary);

    box-shadow: 0 5px 15px rgba(0,0,0,0.05);

}

.skill-item span {

    font-weight: 500;

    text-align: center;

    font-size: 0.9rem;

}

/\* Specific icon colors \*/

.fa-python { color: #3776AB; }

.fa-database { color: #F29111; }

.fa-html5 { color: #E34F26; }

.fa-css3-alt { color: #1572B6; }

.fa-js-square { color: #F7DF1E; }

.fa-robot { color: #6C63FF; }

.fa-network-wired { color: #FF6584; }

.fa-file-excel { color: #217346; }

.fa-chart-bar { color: #F2C811; }

.fa-flask { color: #000000; }

.fa-atom { color: #44A833; }

.fa-book { color: #F37726; }

.fa-google { color: #4285F4; }

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

.skills-section {

    animation: fadeIn 0.8s ease-out 0.4s forwards;

    opacity: 0;

}

.skill-category {

    animation: fadeIn 0.6s ease-out forwards;

    opacity: 0;

    animation-delay: calc(var(--category-order) \* 0.1s);

}

.skill-category:hover {

    transform: translateY(-8px) scale(1.02) !important;

}

.skill-item {

    transition: all var(--transition-normal) cubic-bezier(0.175, 0.885, 0.32, 1.275);

}

.skill-item:hover {

    transform: translateY(-5px) scale(1.05) !important;

    background: rgba(108, 99, 255, 0.15) !important;

}

.skill-icon {

    transition: all var(--transition-normal) ease;

}

.skill-item:hover .skill-icon {

    transform: scale(1.15) rotate(10deg);

    box-shadow: 0 8px 20px rgba(108, 99, 255, 0.2);

}

/\* ===== Keyframe Animations ===== \*/

@keyframes fadeIn {

    from { opacity: 0; }

    to { opacity: 1; }

}

@keyframes slideUp {

    from {

        opacity: 0;

        transform: translateY(20px);

    }

    to {

        opacity: 1;

        transform: translateY(0);

    }

}

@keyframes pulseGlow {

    0% {

        box-shadow: 0 0 0 0 rgba(255, 101, 132, 0.2);

    }

    100% {

        box-shadow: 0 0 0 15px rgba(255, 101, 132, 0);

    }

}

@keyframes float {

    0%, 100% { transform: translateY(0); }

    50% { transform: translateY(-8px); }

}

/\* =====Projects Sections ==== \*/

/\* ===== PROJECTS PAGE STYLING ===== \*/

/\* Base Variables \*/

:root {

  --primary: #6c63ff;        /\* Main purple accent \*/

  --primary-light: #837dff;  /\* Lighter purple \*/

  --primary-dark: #554ee0;   /\* Darker purple \*/

  --secondary: #ff6584;      /\* Pink accent \*/

  --dark: #2d3748;          /\* Dark slate for text \*/

  --light: #f8fafc;         /\* Light background \*/

  --text: #4a5568;          /\* Main text color \*/

  --text-light: #718096;    /\* Lighter text \*/

  --border: #e2e8f0;        /\* Border color \*/

}

/\* Projects Section \*/

.projects-section {

  padding: 4rem 0;

  background: linear-gradient(135deg, rgba(108, 99, 255, 0.03) 0%, rgba(255, 255, 255, 0) 100%);

  position: relative;

  overflow: hidden;

}

.projects-section .container {

  position: relative;

  z-index: 2;

  max-width: 1200px;

  margin: 0 auto;

  padding: 0 1.5rem;

}

/\* Decorative background elements \*/

.projects-section::before {

  content: '';

  position: absolute;

  top: -100px;

  right: -100px;

  width: 300px;

  height: 300px;

  background: radial-gradient(circle, rgba(108, 99, 255, 0.05) 0%, rgba(255,255,255,0) 70%);

  z-index: 1;

  animation: float 15s ease-in-out infinite alternate;

}

.projects-section::after {

  content: '';

  position: absolute;

  bottom: -50px;

  left: -50px;

  width: 200px;

  height: 200px;

  background: radial-gradient(circle, rgba(108, 99, 255, 0.05) 0%, rgba(255,255,255,0) 70%);

  z-index: 1;

  animation: float 12s ease-in-out infinite alternate-reverse;

}

/\* Section Header \*/

.section-header {

  text-align: center;

  margin-bottom: 3rem;

}

.section-title {

  font-family: 'Playfair Display', serif;

  font-size: 2.8rem;

  margin-bottom: 1rem;

  color: var(--dark);

  position: relative;

  display: inline-block;

}

.section-title span {

  color: var(--primary);

  position: relative;

}

.section-title span::after {

  content: '';

  position: absolute;

  bottom: -8px;

  left: 0;

  width: 100%;

  height: 3px;

  background: var(--primary);

}

.section-subtitle {

  font-size: 1.1rem;

  color: var(--text-light);

  max-width: 600px;

  margin: 0 auto;

  line-height: 1.6;

}

/\* Projects Filter \*/

.projects-filter {

  display: flex;

  justify-content: center;

  flex-wrap: wrap;

  gap: 0.75rem;

  margin-bottom: 2rem;

}

.filter-btn {

  padding: 0.5rem 1.25rem;

  border-radius: 50px;

  background: rgba(108, 99, 255, 0.1);

  color: var(--primary);

  border: none;

  font-weight: 500;

  cursor: pointer;

  transition: all 0.3s ease;

}

.filter-btn:hover, .filter-btn.active {

  background: var(--primary);

  color: white;

  transform: translateY(-2px);

}

/\* Projects Grid \*/

.projects-grid {

  display: grid;

  grid-template-columns: repeat(auto-fill, minmax(300px, 1fr));

  gap: 2rem;

  margin-top: 2rem;

}

/\* Project Card \*/

.project-card {

  display: flex;

  flex-direction: column;

  border-radius: 12px;

  overflow: hidden;

  background: white;

  box-shadow: 0 5px 15px rgba(0,0,0,0.1);

  transition: all 0.4s cubic-bezier(0.25, 0.8, 0.25, 1);

  text-decoration: none;

  color: inherit;

  opacity: 0;

  transform: translateY(30px);

  animation: fadeInUp 0.6s ease-out forwards;

  animation-delay: calc(var(--order) \* 0.1s);

}

.project-card:nth-child(1) { --order: 1; }

.project-card:nth-child(2) { --order: 2; }

.project-card:nth-child(3) { --order: 3; }

.project-card:nth-child(4) { --order: 4; }

.project-card:nth-child(5) { --order: 5; }

.project-card:nth-child(6) { --order: 6; }

.project-card:hover {

  transform: translateY(-10px) !important;

  box-shadow: 0 15px 40px rgba(108, 99, 255, 0.15);

}

/\* Image Container \*/

.project-image-container {

  position: relative;

  width: 100%;

  height: 200px;

  overflow: hidden;

}

.project-cover-image {

  width: 100%;

  height: 100%;

  object-fit: cover;

  transition: transform 0.8s ease;

}

.project-card:hover .project-cover-image {

  transform: scale(1.1);

}

/\* Image Overlay \*/

.image-overlay {

  position: absolute;

  top: 0;

  left: 0;

  width: 100%;

  height: 100%;

  background: rgba(108, 99, 255, 0.7);

  display: flex;

  align-items: center;

  justify-content: center;

  opacity: 0;

  transition: opacity 0.4s ease;

}

.overlay-icon {

  color: white;

  font-size: 2rem;

  transform: scale(0.8);

  transition: transform 0.4s ease;

}

.project-card:hover .image-overlay {

  opacity: 1;

}

.project-card:hover .overlay-icon {

  transform: scale(1);

}

/\* Project Content \*/

.project-content {

  padding: 1.5rem;

  flex-grow: 1;

  display: flex;

  flex-direction: column;

}

.project-content h3 {

  font-family: 'Poppins', sans-serif;

  font-weight: 600;

  font-size: 1.3rem;

  margin-bottom: 0.75rem;

  color: var(--dark);

  transition: color 0.3s ease;

}

.project-card:hover .project-content h3 {

  color: var(--primary);

}

.project-excerpt {

  color: var(--text-light);

  margin-bottom: 1.5rem;

  line-height: 1.6;

  flex-grow: 1;

}

/\* Project Tags \*/

.project-tags {

  display: flex;

  flex-wrap: wrap;

  gap: 0.5rem;

  margin-bottom: 1.5rem;

}

.project-tags span {

  background: rgba(108, 99, 255, 0.1);

  color: var(--primary);

  padding: 0.4rem 0.8rem;

  border-radius: 50px;

  font-size: 0.8rem;

  font-weight: 500;

}

/\* View Project Link \*/

.view-project-link {

  display: inline-flex;

  align-items: center;

  gap: 0.5rem;

  color: var(--primary);

  font-weight: 500;

  transition: all 0.3s ease;

  margin-top: auto;

}

.view-project-link i {

  transition: transform 0.3s ease;

}

.project-card:hover .view-project-link {

  color: var(--primary-dark);

}

.project-card:hover .view-project-link i {

  transform: translateX(5px);

}

/\* View Details Button \*/

.view-details-btn {

  display: inline-flex;

  align-items: center;

  gap: 0.5rem;

  margin-top: 1rem;

  padding: 0.5rem 1rem;

  background-color: rgba(108, 99, 255, 0.1);

  color: var(--primary);

  border-radius: 4px;

  font-size: 0.9rem;

  font-weight: 500;

  transition: all 0.3s ease;

}

.project-card:hover .view-details-btn {

  background-color: var(--primary);

  color: white;

  transform: translateX(5px);

}

.view-details-btn i {

  transition: transform 0.3s ease;

}

.project-card:hover .view-details-btn i {

  transform: translateX(3px);

}

/\* Animations \*/

@keyframes float {

  0%, 100% {

    transform: translateY(0);

  }

  50% {

    transform: translateY(-20px);

  }

}

@keyframes fadeInUp {

  from {

    opacity: 0;

    transform: translateY(30px);

  }

  to {

    opacity: 1;

    transform: translateY(0);

  }

}

/\* Responsive Adjustments \*/

@media (max-width: 992px) {

  .projects-grid {

    grid-template-columns: repeat(auto-fill, minmax(280px, 1fr));

  }

}

@media (max-width: 768px) {

  .projects-section {

    padding: 3rem 0;

  }

  .section-title {

    font-size: 2.2rem;

  }

  .projects-filter {

    gap: 0.5rem;

  }

}

@media (max-width: 576px) {

  .projects-grid {

    grid-template-columns: 1fr;

  }

  .section-title {

    font-size: 1.8rem;

  }

  .filter-btn {

    padding: 0.5rem 1rem;

    font-size: 0.85rem;

  }

}

/\* No Results Message \*/

.no-projects-message {

  text-align: center;

  grid-column: 1 / -1;

  padding: 2rem;

  color: var(--text-light);

  font-size: 1.1rem;

}

.no-projects-message i {

  font-size: 2rem;

  margin-bottom: 1rem;

  color: var(--primary);

  opacity: 0.5;

}

/\* ===== PROJECT DETAILS PAGE ===== \*/

/\* ===== PROJECT DETAIL STYLING ===== \*/

:root {

  --primary: #6a3093;

  --primary-light: #a044ff;

  --secondary: #00b4d8;

  --accent: #ff7e5f;

  --dark: #1a1a2e;

  --light: #f8f9fa;

  --text: #2d3748;

  --text-light: #4a5568;

  --border: #e2e8f0;

  --transition-fast: 0.2s;

  --transition-normal: 0.3s;

  --section-gap: 2.5rem; /\* New variable for consistent spacing \*/

}

/\* Main Container \*/

.project-detail-container {

  max-width: 1100px;

  margin: 2rem auto;

  padding: 0 1.5rem;

  display: flex;

  flex-direction: column;

  gap: var(--section-gap); /\* Using the new spacing variable \*/

}

/\* Project Header - Unchanged \*/

.project-header {

  background: linear-gradient(135deg, rgba(106, 48, 147, 0.05), white);

  padding: 2rem;

  border-radius: 12px;

  border-left: 4px solid var(--primary);

  box-shadow: 0 5px 20px rgba(0, 0, 0, 0.03);

  margin-bottom: var(--section-gap); /\* Consistent spacing \*/

}

.project-category-badge {

  display: inline-block;

  background: linear-gradient(135deg, var(--primary), var(--primary-light));

  color: white;

  padding: 0.4rem 1.2rem;

  border-radius: 50px;

  font-size: 0.8rem;

  font-weight: 600;

  margin-bottom: 1rem;

  text-transform: uppercase;

  letter-spacing: 0.5px;

}

.project-header h1 {

  font-size: 2.5rem;

  margin-bottom: 0.5rem;

  color: var(--dark);

  position: relative;

  display: inline-block;

}

.project-header h1::after {

  content: '';

  position: absolute;

  bottom: -8px;

  left: 0;

  width: 60px;

  height: 4px;

  background: var(--primary);

  border-radius: 2px;

}

.project-meta-detail {

  display: flex;

  flex-wrap: wrap;

  gap: 1rem;

  margin-top: 1.5rem;

}

.project-meta-detail span {

  display: inline-flex;

  align-items: center;

  gap: 0.5rem;

  background: rgba(0, 180, 216, 0.1);

  padding: 0.5rem 1rem;

  border-radius: 50px;

  color: var(--secondary);

  font-size: 0.9rem;

}

/\* Hero Image - Removed \*/

.project-hero {

  display: none;

}

/\* Section Styling - Spacing Adjusted \*/

.content-section {

  padding: 1.5rem;

  border-radius: 12px;

  margin-bottom: var(--section-gap); /\* Consistent spacing \*/

  transition: all var(--transition-normal) ease;

}

/\* Problem Statement - Unchanged \*/

.problem-statement {

  background: rgba(255, 126, 95, 0.08);

  border-left: 4px solid var(--accent);

  position: relative;

  overflow: hidden;

  margin: calc(var(--section-gap) \* 1.2) 0 var(--section-gap) 0;

}

.problem-statement::before {

  content: '!';

  position: absolute;

  right: 1rem;

  top: 50%;

  transform: translateY(-50%);

  font-size: 4rem;

  font-weight: 800;

  color: rgba(255, 126, 95, 0.1);

  z-index: 0;

}

/\* Solution Section - Unchanged \*/

.solution-section {

  background: rgba(106, 48, 147, 0.05);

  border-left: 4px solid var(--primary);

  margin: var(--section-gap) 0;

}

/\* Metrics Section - Unchanged \*/

.metrics-section {

  background: white;

  border: 1px solid var(--border);

  margin: var(--section-gap) 0;

}

.metrics-grid {

  display: grid;

  grid-template-columns: repeat(auto-fit, minmax(160px, 1fr));

  gap: 1.5rem;

  margin-top: 1.5rem;

}

.metric-card {

  background: white;

  padding: 1.5rem;

  border-radius: 8px;

  text-align: center;

  box-shadow: 0 5px 15px rgba(0, 0, 0, 0.05);

  border: 1px solid rgba(106, 48, 147, 0.1);

  transition: all var(--transition-normal) ease;

}

.metric-card:hover {

  transform: translateY(-5px);

  box-shadow: 0 8px 25px rgba(106, 48, 147, 0.1);

  border-color: var(--primary);

}

.metric-value {

  font-size: 1.8rem;

  font-weight: 700;

  color: var(--primary);

  margin-bottom: 0.5rem;

}

.metric-label {

  font-size: 0.9rem;

  color: var(--text-light);

}

/\* Tech Stack - Unchanged \*/

.tech-stack-section {

  background: rgba(0, 180, 216, 0.05);

  border-left: 4px solid var(--secondary);

  margin: var(--section-gap) 0;

}

.tech-tags {

  display: flex;

  flex-wrap: wrap;

  gap: 0.8rem;

  margin-top: 1.5rem;

}

.tech-tags span {

  background: rgba(106, 48, 147, 0.1);

  color: var(--primary);

  padding: 0.6rem 1.2rem;

  border-radius: 50px;

  font-size: 0.85rem;

  font-weight: 500;

  transition: all var(--transition-normal) ease;

  border: 1px solid rgba(106, 48, 147, 0.2);

}

.tech-tags span:hover {

  background: var(--primary);

  color: white;

  transform: translateY(-3px);

  box-shadow: 0 5px 15px rgba(106, 48, 147, 0.2);

}

/\* Methodology - Improved \*/

.methodology {

  background: white;

  padding: 1.5rem;

  border-radius: 8px;

  box-shadow: 0 2px 10px rgba(0,0,0,0.05);

}

.methodology-section {

  margin: var(--section-gap) 0;

}

.methodology ul {

  padding-left: 1.5rem;

  list-style-type: none;

}

.methodology li {

  position: relative;

  padding-left: 1.75rem;

  margin-bottom: 0.8rem;

  line-height: 1.6;

}

.methodology li::before {

  content: '•';

  position: absolute;

  left: 0;

  color: var(--primary);

  font-weight: bold;

  font-size: 1.2rem;

}

/\* Challenges - Unchanged \*/

.challenges-section {

  background: white;

  border: 1px solid var(--border);

  margin: var(--section-gap) 0;

}

.challenge-card {

  background: white;

  padding: 1.5rem;

  border-radius: 8px;

  margin-bottom: 1.5rem;

  box-shadow: 0 5px 15px rgba(0, 0, 0, 0.05);

  transition: all var(--transition-normal) ease;

}

.challenge-card:hover {

  transform: translateY(-3px);

  box-shadow: 0 8px 25px rgba(0, 0, 0, 0.1);

}

.challenge-card h4 {

  color: var(--primary);

  margin-bottom: 0.75rem;

  display: flex;

  align-items: center;

  gap: 0.5rem;

}

.challenge-card h4::before {

  content: '⚠️';

  font-size: 1.2rem;

}

/\* Visual Gallery - Fixed with Aspect Ratios \*/

.visuals-section {

  background: white;

  border: 1px solid var(--border);

  margin: var(--section-gap) 0;

}

.visuals-gallery {

  display: grid;

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

  gap: 1.5rem;

  margin: 1.5rem 0;

}

.visual-card {

  aspect-ratio: 16/9;

  position: relative;

  overflow: hidden;

  border-radius: 8px;

  border: 1px solid var(--border);

  box-shadow: 0 3px 10px rgba(0,0,0,0.1);

  /\* Aspect ratio containers based on your image dimensions \*/

  &[data-image="breast-cancer-1"] { aspect-ratio: 1041/862; }

  &[data-image="breast-cancer-2"] { aspect-ratio: 1026/706; }

  &[data-image="breast-cancer-3"] { aspect-ratio: 1031/663; }

  &[data-image="dance-1"] { aspect-ratio: 1872/887; }

  &[data-image="dance-2"] { aspect-ratio: 1147/800; }

  &[data-image="dance-3"] { aspect-ratio: 595/913; }

  &[data-image="expense-1"] { aspect-ratio: 778/431; }

  &[data-image="expense-2"] { aspect-ratio: 482/425; }

  &[data-image="expense-3"] { aspect-ratio: 946/521; }

}

.visual-card img {

  width: 100%;

  height: 100%;

  object-fit: cover;

  transition: transform var(--transition-normal);

  display: block;

}

.visual-card:hover img {

  transform: scale(1.03);

}

.visual-caption {

  position: absolute;

  bottom: 0;

  left: 0;

  right: 0;

  background: rgba(0,0,0,0.7);

  color: white;

  padding: 0.8rem;

  font-size: 0.9rem;

  text-align: center;

}

/\* Outcomes - Unchanged \*/

.outcomes-section {

  background: rgba(106, 48, 147, 0.05);

  border-left: 4px solid var(--primary);

}

.outcomes-list {

  list-style: none;

  padding-left: 0;

  margin-top: 1.5rem;

}

.outcomes-list li {

  margin-bottom: 1rem;

  padding-left: 2rem;

  position: relative;

  transition: all var(--transition-normal) ease;

}

.outcomes-list li:hover {

  transform: translateX(5px);

}

.outcomes-list li::before {

  content: '';

  position: absolute;

  left: 0;

  top: 0.35rem;

  width: 20px;

  height: 20px;

  background-color: var(--primary);

  mask-image: url("data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg' viewBox='0 0 24 24' fill='none' stroke='currentColor' stroke-width='3' stroke-linecap='round' stroke-linejoin='round'%3E%3Cpolyline points='20 6 9 17 4 12'%3E%3C/polyline%3E%3C/svg%3E");

  mask-repeat: no-repeat;

  mask-position: center;

}

/\* Impact Section - Unchanged \*/

.impact-section {

  background: rgba(76, 175, 80, 0.08);

  border-left: 4px solid #4CAF50;

  padding: 1.5rem;

  border-radius: 8px;

  margin: 1.5rem 0;

}

/\* Action Buttons - Unchanged \*/

.project-actions {

  display: flex;

  flex-wrap: wrap;

  gap: 1rem;

  margin-top: 3rem;

  justify-content: center;

}

.btn-project-action {

  padding: 0.8rem 1.75rem;

  border-radius: 50px;

  font-weight: 600;

  text-decoration: none;

  display: inline-flex;

  align-items: center;

  gap: 0.5rem;

  transition: all var(--transition-normal) ease;

  border: none;

  cursor: pointer;

}

.btn-github {

  background: #333;

  color: white;

}

.btn-demo {

  background: linear-gradient(135deg, var(--primary), var(--primary-light));

  color: white;

}

.btn-project-action:hover {

  transform: translateY(-3px);

  box-shadow: 0 8px 20px rgba(0, 0, 0, 0.15);

}

/\* Responsive Adjustments \*/

@media (max-width: 768px) {

  :root {

    --section-gap: 2rem; /\* Adjusted spacing for tablet \*/

  }

  .project-header h1 {

    font-size: 2rem;

  }

  .metrics-grid {

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

  }

  .visuals-gallery {

    grid-template-columns: 1fr;

  }

}

@media (max-width: 480px) {

  :root {

    --section-gap: 1.8rem; /\* Adjusted spacing for mobile \*/

  }

  .project-header h1 {

    font-size: 1.8rem;

  }

  .metrics-grid {

    grid-template-columns: 1fr;

  }

  .project-actions {

    flex-direction: column;

  }

  .btn-project-action {

    width: 100%;

    justify-content: center;

  }

}

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

.contact-section {

    padding: 5rem 0;

    background: linear-gradient(135deg, rgba(108, 99, 255, 0.03) 0%, rgba(255, 255, 255, 0) 100%);

}

.contact-header {

    text-align: center;

    margin-bottom: 3rem;

}

.section-title {

    font-size: 2.8rem;

    font-weight: 700;

    margin-bottom: 1rem;

    color: var(--dark);

}

.section-title span {

    color: var(--primary);

    position: relative;

}

.section-title span::after {

    content: '';

    position: absolute;

    bottom: -5px;

    left: 0;

    width: 100%;

    height: 3px;

    background: var(--primary);

}

.section-subtitle {

    font-size: 1.2rem;

    color: var(--text-light);

    max-width: 600px;

    margin: 0 auto 1.5rem;

}

.availability-badge {

    display: inline-flex;

    align-items: center;

    gap: 0.5rem;

    padding: 0.5rem 1rem;

    background: rgba(76, 175, 80, 0.1);

    color: #4CAF50;

    border-radius: 50px;

    font-size: 0.9rem;

}

.availability-badge i {

    font-size: 0.6rem;

}

.contact-grid {

    display: grid;

    grid-template-columns: 1fr 1.5fr;

    gap: 2rem;

    max-width: 1200px;

    margin: 0 auto;

}

.contact-methods {

    display: flex;

    flex-direction: column;

    gap: 1.5rem;

}

.contact-card {

    background: white;

    border-radius: 12px;

    padding: 1.5rem;

    box-shadow: 0 5px 15px rgba(0, 0, 0, 0.05);

    transition: all 0.3s ease;

    display: flex;

    align-items: flex-start;

    gap: 1.2rem;

}

.contact-card:hover {

    transform: translateY(-5px);

    box-shadow: 0 10px 30px rgba(108, 99, 255, 0.1);

}

.contact-icon {

    width: 50px;

    height: 50px;

    border-radius: 50%;

    display: flex;

    align-items: center;

    justify-content: center;

    font-size: 1.2rem;

    color: white;

    flex-shrink: 0;

}

.contact-icon.email { background: var(--primary); }

.contact-icon.phone { background: #4CAF50; }

.contact-icon.linkedin { background: #0A66C2; }

.contact-info h3 {

    font-size: 1.1rem;

    margin-bottom: 0.5rem;

    color: var(--dark);

}

.contact-info a {

    color: var(--primary);

    text-decoration: none;

    font-weight: 500;

    display: block;

    margin-bottom: 0.5rem;

    word-break: break-all;

}

.contact-meta {

    font-size: 0.85rem;

    color: var(--text-light);

    display: flex;

    align-items: center;

    gap: 0.5rem;

}

.contact-form {

    background: white;

    border-radius: 12px;

    padding: 2rem;

    box-shadow: 0 5px 15px rgba(0, 0, 0, 0.05);

}

.form-header {

    margin-bottom: 2rem;

}

.form-header h2 {

    font-size: 1.5rem;

    margin-bottom: 0.5rem;

    display: flex;

    align-items: center;

    gap: 0.8rem;

    color: var(--dark);

}

.form-header p {

    color: var(--text-light);

    font-size: 0.95rem;

}

.form-group {

    margin-bottom: 1.5rem;

}

.form-group label {

    display: block;

    margin-bottom: 0.5rem;

    font-weight: 500;

    color: var(--dark);

}

.input-with-icon {

    position: relative;

}

.input-with-icon i {

    position: absolute;

    left: 15px;

    top: 50%;

    transform: translateY(-50%);

    color: var(--primary);

}

input, select, textarea {

    width: 100%;

    padding: 12px 15px 12px 45px;

    border: 1px solid var(--gray);

    border-radius: 8px;

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

    transition: all 0.3s ease;

}

input:focus, select:focus, textarea:focus {

    outline: none;

    border-color: var(--primary);

    box-shadow: 0 0 0 3px rgba(108, 99, 255, 0.1);

}

select {

    appearance: none;

    background-image: url("data:image/svg+xml;charset=UTF-8,%3csvg xmlns='http://www.w3.org/2000/svg' viewBox='0 0 24 24' fill='none' stroke='currentColor' stroke-width='2' stroke-linecap='round' stroke-linejoin='round'%3e%3cpolyline points='6 9 12 15 18 9'%3e%3c/polyline%3e%3c/svg%3e");

    background-repeat: no-repeat;

    background-position: right 15px center;

    background-size: 1em;

}

textarea {

    min-height: 150px;

    padding: 15px !important;

    resize: vertical;

}

.submit-btn {

    width: 100%;

    padding: 14px;

    background: var(--primary);

    color: white;

    border: none;

    border-radius: 8px;

    font-weight: 600;

    font-size: 1rem;

    cursor: pointer;

    transition: all 0.3s ease;

    display: flex;

    align-items: center;

    justify-content: center;

    gap: 0.8rem;

}

.submit-btn:hover {

    background: var(--primary-dark);

    transform: translateY(-2px);

}

.alert {

    padding: 12px;

    border-radius: 8px;

    margin-bottom: 1.5rem;

    font-size: 0.9rem;

}

.alert-success {

    background: #D1FAE5;

    color: #065F46;

}

.alert-error {

    background: #FEE2E2;

    color: #B91C1C;

}

/\* Responsive Design \*/

@media (max-width: 768px) {

    .contact-grid {

        grid-template-columns: 1fr;

    }

    .section-title {

        font-size: 2.2rem;

    }

    .contact-card {

        flex-direction: column;

        align-items: center;

        text-align: center;

    }

    .contact-icon {

        margin-bottom: 1rem;

    }

}