

**9530**

**St. MOTHER THERESA ENGINEERING COLLEGE**  
**COMPUTER SCIENCE ENGINEERING**

**NM-ID:** d8f5f131a0ee199b74c41a6101b56453

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**Completed the project named as**

**Phase 2**

**FRONT END TECHNOLOGY**

**PORTFOLIO WEBSITE**

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## 1. Tech Stack Selection

- **CMS:** WordPress (open-source, widely used).
- **Page Builder:** Elementor (drag-and-drop customization).
- **Theme:** Astra / Neve (lightweight, responsive).
- **Plugins:**
  - **Contact Form 7** – Contact functionality.
  - **Envira Gallery / Portfolio Gallery** – Project display.
  - **Yoast SEO** – Search engine optimization.
  - **UpdraftPlus** – Backup plugin for security.

## 2. UI Structure / Schema Design

### Pages & Structure:

#### 1. Home Page

- a. Intro Banner (Photo + Tagline).
- b. Skills Snapshot (Icons/Progress bars).
- c. Portfolio Highlights (3 projects).
- d. Quick Contact Links.

#### 2. About Page

- a. Profile picture + Bio.
- b. Skills section (Technical & Soft skills).
- c. Education and Certifications.

#### 3. Portfolio Page

- a. Grid/Gallery view of projects.
- b. Each project: Title, description, technology used, link.

#### 4. Contact Page

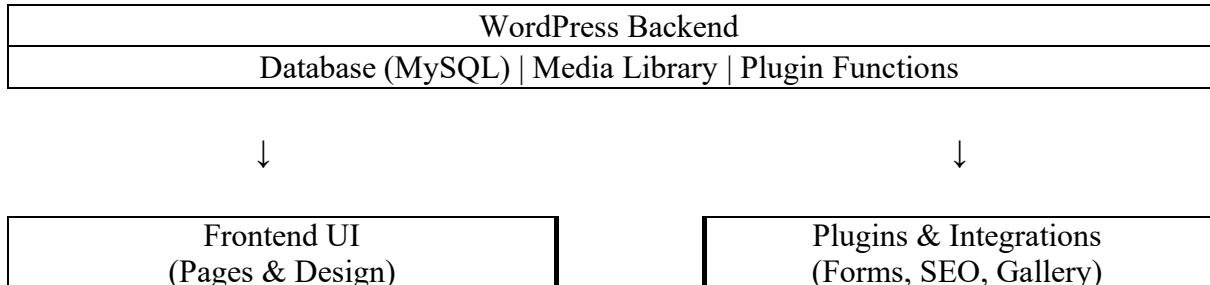
- a. Contact form (Email integration).
- b. Social links (LinkedIn, GitHub, etc.).

## 3. Data Handling Approach

- **Portfolio Entries:** Stored as WordPress custom posts.
- **Images & Media:** Uploaded to the WordPress Media Library.
- **Contact Form Submissions:** Sent directly to the registered email address.
- **Site Customization:** Achieved using WordPress Dashboard (no direct code required).

## 4. Component / Module Diagram

### High-Level Components:



## 5. Basic Flow Diagram

Visitor → Homepage → (Navigation Menu)

↓  
About Page → Skills / Bio

↓  
Portfolio Page → Projects Grid → Project Details

↓  
Contact Page → Fill Form → Email Sent to Owner

## 6. Security & Scalability Considerations

- Regular backups (UpdraftPlus).
- CAPTCHA on contact form to prevent spam.
- SEO plugin ensures visibility on Google.
- Responsive theme ensures mobile scalability.