

9530

St. MOTHER THERESA ENGINEERING COLLEGE

COMPUTER SCIENCE ENGINEERING

NM-ID: 3965E2E4C34E713962148DF9FEF92BF8

REG NO: 953023104040

DATE:15-09-2025

Completed the project named as

Phase 2

FRONT END TECHNOLOGY

PORTFOLIO WEBSITE

SUBMITTED BY:

JOSHUA. A

8489354110

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

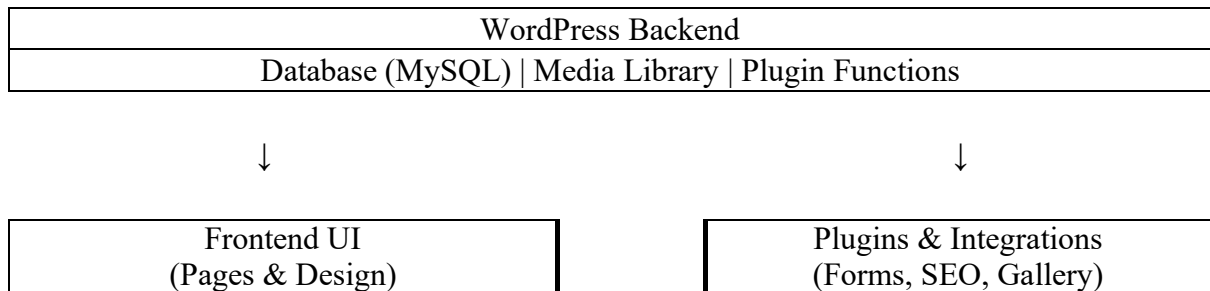
- a. Contact form (Email integration).
- b. Social links (LinkedIn, GitHub, etc.).

3. Data Handling Approach

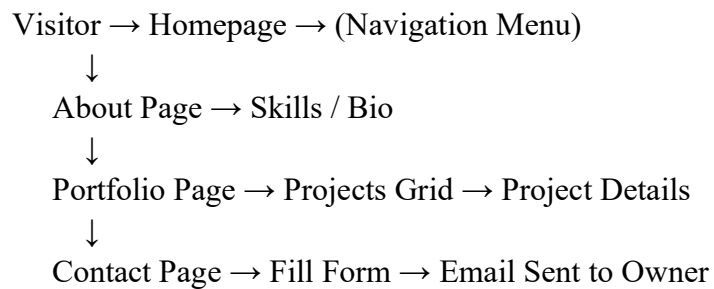
- **Portfolio Entries:** Stored as WordPress custom posts.
- **Images & Media:** Uploaded to the WordPress Media Library.
- **Contact Form Submissions:** Sent directly to the registered email address.
- **Site Customization:** Achieved using WordPress Dashboard (no direct code required).

4. Component / Module Diagram

High-Level Components:



5. Basic Flow Diagram



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.