**Weekly Progress Report**

**Name:** Umesh Samartapu  
**Domain:** Full Stack Web Development  
**Date of Submission:** 30-03-25  
**Week Ending:** 01

**Overview:**

* Focused on understanding the internship-providing company **UniConverge Technologies Pvt Ltd**.
* Researched the company's domains, products, solutions, and technologies.
* Explored available project options and selected one for development.

**Achievements:**

1. **Company Familiarization:**
   * Studied about UniConverge Technologies Pvt Ltd and its focus on AI, IoT, Cloud Computing, and Software Solutions.
   * Gained insights into their product offerings and technological landscape.
2. **Project Selection:**
   * Explored multiple project problem statements.
   * Selected the **E-commerce Website for Automotive Parts** project.
3. **Understanding Project Requirements:**
   * Reviewed the project scope, including product display, shopping cart, payment gateway integration, and user management.
   * Identified additional features like intelligent search, user authentication, and order management.

**Challenges:**

* Understanding the project expectations and aligning them with real-world solutions.
* Evaluating the best tech stack for seamless frontend and backend development.
* Exploring payment gateway integration options for secure transactions.

**Learning Resources:**

* Company website and documentation for domain knowledge.
* Online resources like **MDN Web Docs** and **W3Schools** for frontend and backend development guidance.
* Tutorials and blogs on **E-commerce website development** and **Payment Gateway Integration**.

**Next Week's Goals:**

* Set up the initial project structure using **Java**.
* Design basic wireframes for the e-commerce platform.
* Start implementing the product listing and shopping cart functionality.
* Explore payment gateway options like **Stripe** for integration.

**Additional Comments:**

* Looking forward to contributing effectively to the project.
* Open to feedback and suggestions to enhance the development process.