

Weekly Progress Report

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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.
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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.
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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.