**Weekly Progress Report**

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Domain: Full Stack Web Development

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Week Ending**:** 01

**I. Overview:**

This week, the focus was on studying the internship project provider **UniConverge Technologies Pvt Ltd (UCT)**. I researched their primary domains, the types of products/solutions they develop, and the technologies they use.  
Additionally, I explored multiple project ideas offered for the Full Stack Internship, analyzed their problem statements, and shortlisted one suitable project aligning with my skill set.

**II. Achievements:**

**1. USC\_TIA Familiarization:**

- Explored UCT’s website, brochures, and company profile.

- Understood that UCT works in Web Solutions, Cloud Services, Enterprise Applications, and Digital Transformation.

- Identified their usage of modern full stack technologies like React, Node.js, Python, AWS, Docker, Kubernetes, and DevOps pipelines.

- Related this to my internship domain — Full Stack Development, focusing on end-to-end web solutions.

**2. Project Exploration:**

* Reviewed the detailed problem statements for 5 potential projects:
  1. CMS for a Blog
  2. Multi-client Website for Services
  3. E-commerce for Automotive Parts
  4. Food Delivery App
  5. Grocery Delivery App
* Evaluated the scope, real-world relevance, and tech stack for each.

**3. Project Shortlisting:**

* Selected “Multi-client Website offering client services” as my project.
* This project aligns with UCT’s expertise in multi-tenant web platforms and secure payment integrations.
* It will help me apply my skills in React.js, Node.js, PostgreSQL, REST APIs, and Payment Gateway Integration.

**III. Challenges**

* Understanding UCT’s domain and aligning it with a real-world problem took some time.
* Comparing the technical feasibility of multiple project ideas required extra research and discussion.

**IV. Learning Resources**

* Company website and UCT project case studies
* Tutorials on multi-tenant web applications
* Online courses for React, Node.js, and Stripe Payment Integration

**V. Next Week's Goals**

* Finalize the detailed project roadmap and tech stack.
* Create the initial project GitHub repository and README.
* Design the database schema and API plan for the project.
* Start developing the backend authentication module.

**VI. Additional Comments**

* I am excited to work on this project as it will strengthen my Full Stack Development skills and match UCT’s domain of web solution services.
* I will keep collaborating with mentors and peers for timely progress and feedback.

**VII. Lessons Learned**

* By evaluating multiple project ideas, I strengthened my decision-making skills for selecting a technically feasible, industry-relevant scope.
* I learned how to align project objectives with company domains and core technologies.
* This process improved my research and requirement analysis skills, which will help me in future software development projects.